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ECOLOGICAL CHECKLIST OF THE MISSOURI FLORA FOR FLORISTIC QUALITY ASSESSMENT

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ABSTRACT

An annotated checklist of the 2,961 vascular taxa comprising the flora of Missouri is presented, with conservatism rankings for Floristic Quality Assessment. The list also provides standardized acronyms for each taxon and information on nativity, physiognomy, and wetness ratings. Annotated comments for selected taxa provide taxonomic, floristic, and ecological information, particularly for taxa not recognized in recent treatments of the Missouri flora. Synonymy crosswalks are provided for three references commonly used in Missouri. A discussion of the concept and application of Floristic Quality Assessment is presented. To accurately reflect ecological and taxonomic relationships, new combinations are validated for two distinct taxa, *Dichanthelium ashei* and *D. werneri*, and problems in application of infraspecific taxon names within *Quercus shumardii* are clarified.

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INTRODUCTION

This list was developed as part of a revised and expanded system for Floristic Quality Assessment (FQA) in Missouri. FQA is a method of assessing the natural integrity and recovery potential of an area based on vegetation, and tracking management response through time (Taft et al. 1997).

Key to deployment of a Floristic Quality Assessment system is a disciplined enumeration of the vascular flora of a region, with a standardized convention for names and acronyms for each taxon. Other attributes for each taxon include whether it is introduced or native to a region, life history traits (physiognomy), degree of predilection for wetland conditions, and a conservatism ranking (C value). The conservatism ranking is an integer between 0 and 10 reflecting the degree of obligate dependence of a taxon on intact natural habitats with direct composition, site conditions, and process regime linkage to the immediate pre-Eurosettlement period. For each taxon, coefficients are assigned based on observed ecological performance, derived from collective extended field experience and empirical observations in the contemporary landscape. Factors influencing C value include disturbance tolerance, habitat affinities, and degree of dependence on intact native vegetation assemblages and their associated site conditions and process regimes.

The concept of species conservatism and Floristic Quality Assessment was first developed by Wilhelm (1977), who applied it at a county level. The system was subsequently modified and expanded by Wilhelm and Ladd (1988). The first FQA system for Missouri was developed by the senior author in 1987 and refined in 1993 (Ladd 1993); this was the first application of FQA at a statewide scale. Since then, FQA systems have been developed for multiple states and provinces (e.g. Herman et al. 1997; Oldham et al. 1995; Rocchio et al. 2013).

SPECIES CONSERVATISM AND FLORISTIC QUALITY

In the New World, native biological systems and their component biota are under intensifying levels of stress. In midcontinental North America, since the peak of the last glacial advance some 15,000 years ago, these systems had persisted for millennia in dynamically stable arrays, supporting an unimaginable diversity of organisms with complex interactions. Today, unprecedented levels of habitat destruction and altered process regimes, such as fire and grazing, have resulted in fragmented, largely degraded systems with reduced ecological function, resiliency, and diversity. These impacts have been exacerbated by the biologically new prevalence of a suite of introduced organisms adapted to the perturbations our sedentary urban/intensive agriculture society has imposed on the landscape.

Native species respond differently to perturbations that are novel to or exceed the magnitude and/or frequency of the post-glacial regimes to which they were attuned. Some species are more facultative and adaptable and can tolerate significant impacts, sometimes even increasing opportunistically in response to post-Eurosettlement disturbances. Other taxa are obligately restricted to the site conditions, associations, and constrained range of process regimes and conditions that characterized the post-glacial, pre-Eurosettlement landscape. If process regimes are altered and degrading impacts occur, these species are typically the least capable of maintaining their viability and are lost from the system. These taxa, once locally expunged from a site, are also least capable of becoming reestablished in the contemporary landscape, resulting in losses of aggregate biodiversity. These losses can further destabilize the system, resulting in cascading effects of further degradation, increasing loss of native biodiversity, and increased vulnerability to invasive species and their deleterious impacts.

This pattern of organismal performance in the landscape reveals two key issues. First, certain organisms are fundamentally linked, spatially and temporally, to pre-Eurosettlement incarnations of ecosystems and are vulnerable to loss from disturbances and perturbations. To the extent that human society considers it a priority to maintain functional, viable examples of natural systems, direct efforts are required to sustain these systems and the most sensitive components of their biota. Secondly, this conceptual spectrum of organismal response to system perturbation and degradation can be used to assess and monitor the degree to which the contemporary environment and human activities are maintaining or degrading system integrity and diversity, particularly among those organisms least able to become reestablished once lost from the system.

This obligate reliance on intact native systems and process regimes prevailing prior to Eurosettlement is called *species conservatism.* Conservatism embodies two interrelated tenants: (1) organisms differ in their tolerance of and response to disturbance, and (2) organisms display varying degrees of fidelity to intact habitats, process regimes, and site continuity. Conservatism can be can be codified along a continuum ranging from species obligately restricted to intact natural systems and process regimes — highly conservative species — to species whose presence is completely uncorrelated, or even negatively correlated, with these factors — non-conservative species. Non-native taxa, because they have no role in native systems, cannot have conservatism and are conceptually excluded.

Organismal performance along this spectrum of species conservatism can be numerically ranked and used to assess overall system condition and performance through time. Assigning an integer value to each taxon of the vascular vegetation, ranging from 0 for species with no inherent conservatism to 10 for species that are fundamentally conservative, results in a valuable tool for gleaning insights into our landscape. Through careful, disciplined assessment of the observed performance of each species in the contemporary environment, these valuations can be assigned by experienced, botanically astute field biologists with a good sense of local ecosystems. The collective response of the components of the vegetation can then be used to derive meaningful information regarding the degree to which the system is maintaining itself, particularly its least replaceable components, through time.

As an example, in Missouri Common Ragweed, *Ambrosia artemisiifolia,* although a native plant that can occur in our finest natural areas (albeit in low numbers), occurs in virtually any habitat, including newly cleared land and highly disturbed environments. This fundamental lack of conservatism results in a conservatism ranking (C value) of 0. At the other end of the spectrum, Epiphytic Sedge, *Carex decomposita,* is restricted to high quality sinkhole ponds with intact hydrological regimes and a consistent suite of obligate wetland associates; once the species and its seedbank are lost from a pond, it is unlikely to become reestablished. This obligate fidelity to intact systems with direct linkage to pre-Eurosettlement site conditions and processes results in a C value of 10.

Within this spectrum, every taxon in the vegetation can be assigned a numerical rating based solely on its observed ecological performance, but exclusive of perceptions of rarity, jurisdictional protection, endangered status, appearance, utility to humans or wildlife, toxicity, or other extraneous factors. In essence, the mind-boggling complexity of the responses of the more than 2000 taxa of native plants comprising our local systems is distilled into 11 different types of plants representing 11 ranks of relative conservatism.

Note that species conservatism is a fundamental attribute independent of natural community type. Many conservative taxa occur in multiple community types, probably at least in part because natural community classification is an attempt to create discrete types among an essential continuum by evaluating post-Eurosettlement examples, with little detailed knowledge about the composition, structure, and dynamics of the original systems.

A simple approach to understanding the concept of conservatism is to consider a C value to represent the degree of confidence that a given plant comes from an area with a high degree of remnant integrity. For example, if presented with a specimen of Common Ragweed (*Ambrosia artemisiifolia*), although it sometimes occurs in high quality sites, one would have no assurance that the plant in hand originated from such an area, since the species also occurs as a ubiquitous weed throughout the contemporary landscape. Since no degree of assurance about the quality of the site is imputed from the presence of this plant, it would receive a C value of 0. On the other hand, if one

were presented with a specimen of Little Bluestem (*Schizachyrium scoparium*), there would be a likelihood that it came from an area with a degree of remnant integrity, although this species is capable of surviving some disturbance and even recolonizing suitable sites. With the potential but not certainty that the specimen was from an area with remnant native diversity and context, it would receive a middle C value, in this case 5. At the other end of the spectrum, the presence of Showy Lady's Slipper (*Cypripedium reginae*) conveys near certainty of habitat integrity, resulting in a C value of 10.

In practice, plants with C values of 0-3 are native weeds and disturbance-adapted plants, displaying high opportunistic potential for occupancy of disturbed sites. These taxa are typically well adapted to the contemporary environment outside of their pre-Eurosettlement system context. Plants with C values of 4-6 are typically matrix species in intact habits, with some limited ability to adapt to disturbance and repopulate areas from which they have been expunged. Plants with C values of 7-10 are considered conservative, with high fidelity to intact habitats.

Because of the complex relationships and interdependencies among biota in intact habitats, an inherent assumption of FQA is that there is a correlation between high quality systems as ranked by their vegetation and high quality and viability among other organismal groups. While this is an incompletely tested and imperfect assumption, in practice it seems to represent a fundamental attribute. In the future, similar ranking systems for other organismal groups, particularly invertebrates, could provide additional insights into this relationship. Essentially, FQA serves as a metric to assess and monitor natural habitats much as a temperature gauge provides information from which one can make assumptions about the function and performance of an engine.

Two misdirected criticisms have been directed toward FQA. The first objects to the perceived subjectivity of the system, arising from the discomfiture of empirical assignment of C values to the flora. In theory, the same relative ranking could undoubtedly be derived in time with sufficient sampling and ordination among data sets, but in practice the expense and time in accomplishing this would be nearly prohibitive. More fundamentally, such criticism fails to account for the fact that all applied systems designed to provide feedback to guide management and conservation efforts are by definition subjective. Recently, Matthews et al. (2015) tested and confirmed the overall consistency and utility that can be derived from assigned C values.

While ecological data are themselves value-neutral, the decision to manage a system for its remnant integrity or to sustain its biota requires subjective assessments as to the desired end state. In most monitoring and assessments, this subjectivity is derived through determining a discrete goal in terms of structure, composition, diversity, or other attributes. An inherent fallacy of this is that we have little detailed information regarding the diversity, composition, structure, or range of dynamism in our native systems, and what data do exist are derived from sites and conditions influenced, passively or actively, by centuries of post-Eurosettlement impacts. Thus, establishing arbitrary goals for desired condition, composition, or end state based on preconceived notions of natural communities risks stressing the system beyond the constrained dynamism to which it is attuned and resilient, with corresponding losses of diversity, particularly among the least replaceable elements of the system. Another risk is that attempts to maximize rare or target species may weaken system resiliency and long term viability.

In FQA, empirical information about the ecological performance of individual species in the contemporary environment is consistent, dispassionate, and preloaded without regard to preconceptions. In essence, it acknowledges that there are large data gaps in our knowledge of native vegetation and that all we can attempt is to carry assemblages of biota through time in self-sustaining interactive arrays, with special consideration for those elements that are most sensitive to loss and that

once lost are least able to be reestablished. Emphasizing a system-level focus as driven by the collective response of the component biota accommodates uncertainties and avoids potentially counterproductive assumptions and insupportably rigid goals.

Another criticism directed at FQA is that an emphasis on conservative species drives management actions towards maximizing conservative species presence, with the unstated corollary that this risks losses in collective system diversity and viability. In practice, the presence of a diversity of conservative organisms depends on a healthy, functional system with a full complement of diversity to ensure system function and viability. Thus, FQA-driven protocols are actually more reflective of long term synecological integrity, resiliency, and system health.

Effective FQA requires incorporation of the full spectrum of an organismal group – in this case vascular vegetation – into the assessment protocol. In turn this requires experienced field practitioners who can identify to species or infraspecific level the elements of the flora at the time of sampling, whether or not they are fertile. Identification only to generic level will prevent effective use of FQA, since many genera (e.g. *Carex, Dichanthelium, Rubus, Symphyotrichum*) include taxa spanning the full spectrum of conservatism. Since many genera in our flora include both native and introduced taxa, generic information alone is essentially useless. To be effective, the development of C values must be conducted in an intellectually rigorous atmosphere exclusively within the region for which FQA is being developed (in this case the state of Missouri), considering the entirety of habitats and regions within the region, without taking into account the distribution and performance of the organism outside of the region.

Inevitably a few anomalous examples occur when evaluating the ecological performance of each element of the flora within a state spanning multiple ecoregions. In some cases, a plant may occur as a native in one part of the state and as an introduced element in another. In these cases, the plant is regarded as native, but its disturbance tolerance and adaptability are reflected in the assigned C value. An exception to this is Black Locust (*Robinia pseudoacacia*), for which there are separate entries and acronyms for native and introduced populations, as explained in the annotated comments preceding the list. In a few cases, for species with limited data regarding their presence in Missouri, or for those that are known primarily from historic data, or for taxa associated with habitats that have been wholly expunged or degraded since settlement (e.g. canebreaks, pineries, sand prairies), placeholder rankings were assigned based on existing data, sometimes with consultation from experts or field biologists from bordering regions. In practice, these taxa will seldom be encountered in assessments.

APPLICATION OF FLORISTIC QUALITY ASSESSMENT

This checklist can be used to apply Floristic Quality Assessment (FQA) to assess floristic integrity in Missouri, using several calculated parameters. The list can be accessed online as a tool for FQA calculations (Freyman & Masters 2013). Parameters derived through FQA include:

1. Native and total diversity (species richness)
2. Mean coefficient of conservatism (mean C value, or $\bar{C}$), and frequency distribution among conservatism classes
3. Floristic Quality Index (FQI)
4. Frequency distribution among physiognomic classes
5. Number and relative composition of native and introduced taxa
6. Relative importance values by taxon and physiognomic class
7. Wetness ratings

Each of these parameters, and their application in assessing and monitoring natural vegetation, is discussed in the following section.

1. NATIVE AND TOTAL DIVERSITY. Species diversity is an important aspect of system integrity and can be analyzed on multiple scales for a given site. Compiling a comprehensive list of the vascular flora of a site provides insights into the universe of taxa that can potentially participate in the vegetation of any given subunit. If quadrat-based or other quantitative sampling is also conducted at the site, some concept of per-unit-area diversity will emerge. The two values together provide coarse information about site integrity: a site with relatively high overall native diversity but very low per-quadrat diversity typically indicates past perturbation but overall *in situ* recovery potential. Sites with low overall diversity and low or moderate per-quadrat diversity likely have limited recovery potential without direct restoration of *ex situ* plant materials, unless there is significant untapped diversity in the seed bank, as occurs in some wetland soils. The presence of large numbers of introduced taxa indicates past impacts and the potential to impede recovery; in practice, high numbers of introduced taxa are also reflected by declines in native diversity, particularly among conservative taxa.
2. MEAN C VALUE. This is derived by adding the total C values for all native taxa and dividing by the number of species, $\bar{C} = \Sigma C^{1\ldots n}/N$], where N is the native species richness. This provides an indication of the degree to which the vegetation has affinities to intact remnants. In practice, a representative 10-acre tract in the majority of the Missouri landscape will have a mean C value below 3; sites with mean C values above 4 have some level of remnant integrity, and levels above 5 are of high conservation significance.
3. FLORISTIC QUALITY INDEX. This is a weighted index of species richness obtained by multiplying the mean C value by the square root of the native diversity [$FQI = \bar{C}(\sqrt{N})$]. This provides a key indicator of vegetation integrity, since it combines both quality and richness. Forty years of assessment work in Midwestern ecosystems have demonstrated that FQI values provide fundamental insights into the diversity, resiliency, and floristic integrity of an area, and that changes in FQI values correlate with meaningful changes in system health and diversity. In practice, increases in FQI documented during restoration efforts in remnant systems typically result from increases in diversity, since mean C values seldom shift significantly. This serves as a back door validation of the concept of conservatism, reinforcing the high fidelity of highly conservative taxa to intact sites, and their irreplaceability once lost from the system.
4. FREQUENCY DISTRIBUTION AMONG PHYSIOGNOMIC CLASSES. By assigning a physiognomic class to every taxon in the Missouri flora, the checklist allows assessments of vegetation by physiognomic class. This can be particularly helpful in monitoring the recovery of degraded systems with remnant floristic integrity that are undergoing restoration. For example, the ground layer of a fire-starved, overgrown woodland such as commonly occurs throughout much of the Ozark region today will have very low levels of graminoid and forb presence, and a proliferation of tolerant woody taxa. This condition strongly contrasts with information about the pre-Eurosettlement character of Ozark woodlands, which are universally described as open and largely brush free, with a prominent graminoid and forb component (Ladd 1991, 2014). With the restoration of an ecologically appropriate fire regime and resulting increased light at the ground level, many of these sites have sufficient remnant diversity to show significant increases in both diversity and presence of grasses, sedges, and forbs.
5. NATIVE AND INTRODUCED TAXA. The checklist designates each taxon growing in Missouri as either native or introduced, allowing rapid evaluation of the proportion of a site's flora that is native. As used here, native refers to those taxa that were a component of the vegetation of the region prior to Eurosettlement of North America, while introduced refers to those taxa that have become established in Missouri after that period. In theory, the presence of a diversity of non-native taxa is not necessarily deleterious to floristic integrity, but in practice this is invariably reflective of physical disturbance or altered process regimes and associated losses among conservative native taxa. Although the presence of introduced taxa may or may

not be directly causing impacts to native vegetation, the ability to track presence and diversity of introduced taxa through time, at both site and quadrat levels, can be a valuable metric for tracking system response, particularly when this information is correlated with other outputs from FQA.

6. RELATIVE IMPORTANCE VALUES. A useful output from FQA is the ability to use quadrat-based or other quantitative sampling methods to assess vegetation composition and response. In addition to information regarding C values and floristic quality indices, information about relative importance provides more nuanced insights into system character and change through time. This can provide feedback about recovery of impacted areas, such as by monitoring the aggregate importance values of native versus introduced taxa, or by assessing the degree to which a few species dominate overall vegetation — usually associated with impacted systems. It should be emphasized that, given the lack of information about prevalence, cover, and dominance relationships among the flora of intact systems, care should be taken to avoid pre-determining "optimum" compositional levels. Rather, importance value data can be tracked in association with FQA and C value data and used to develop insights into the relationship – in effect letting system response tell us the range of conditions under which the collective biota, with emphasis on sustaining the least replaceable elements, can be carried through time in interactive, self-replicating arrays.
7. WETNESS RATINGS. As described later in this work, each taxon in the checklist is assigned a wetness rating largely based on protocols developed to designate jurisdictional wetlands for regulatory purposes (Lichvar 2012). Site floristic inventory data can be used to derive mean wetness ratings for vegetation, resulting in a metric that can be used to delineate sensitive wetlands and also to track aggregate wetness through time. Experience has demonstrated that many native systems become wetter with appropriate restoration and management, as manifested by their vegetation. This presumably reflects the restoration of intact hydrological regimes associated with the increased infiltration and water holding capacity of a rhizosphere characterized by an abundance of deep-rooted perennials.

CHECKLIST: RATIONALE AND METHODS

In establishing a user-friendly FQA system for Missouri, some unique challenges must be surmounted. The last comprehensive single-volume treatment of the Missouri flora, Julian Steyermark's *Flora of Missouri* (1963), is out of print and largely unavailable to modern workers. Recent advances in taxonomy and molecular biology have rendered the nomenclature and taxonomic concepts used in this work outdated for many species and genera and even at the family level. Additionally, several hundred taxa have been added to the state's flora since Steyermark's time. George Yatskievych has recently completed the final volume of his epic *Steyermark's Flora of Missouri* (1999, 2006, 2013), which this list attempts to follow as closely as ecological reality and nomenclatural changes will allow (see below). The intervals between volumes of Yatskievych's work means that some of the species concepts and nomenclature applied in volume one are now outdated, although they are adhered to here unless it would impair the functionality of the application of the list for FQA. Gleason and Cronquist's (1991) regional flora does not include the Ozark region of the state; the Flora of the Great Plains (1986) is similarly incomplete in its coverage for Missouri.

This creates problems for field workers, since there is no single updated source to which they can refer for information on the identification, nomenclature, ecology, and distribution of the Missouri flora. While a simple checklist and database cannot remedy this, derivation of an updated and attributed list of the flora can be a valuable tool for a variety of field workers.

NOMENCLATURE AND TAXONOMIC CONCEPTS

In developing this list, we have attempted as much as possible to remain congruent with the nomenclature and species concepts of Yatskievych (1999, 2006, 2013). Significant deviations from this bear explanation, and are discussed below and in the annotated comments to the checklist.

- Subspecific taxa are recognized only to the extent that they are clearly distinguishable in the field and provide meaningful ecological or distributional information. Use of variety versus subspecies is based on prevailing convention and does not imply judgment as to appropriate level of designated rank.
- The genus *Panicum sensu lato* (including *Dichanthelium*), as treated by Yatskievych (1999) and Freckmann and Lelong (2003), does not accurately reflect the morphological entities, ecological performance, and taxonomic relationships of the group in Missouri. Time and again, morphologically and ecologically distinct and consistent entities are subsumed into broad "species," in the process disenfranchising meaningful ecological information about habitat affinities and distinctness that are of value in assessing vegetation and habitat conditions. Recent studies (e.g. Thomas 2008) and detailed field assessments support maintaining some narrower species concepts within the group. Correspondingly, two nomenclatural combinations are validated here for taxa of *Dichanthelium* that are distinct species from both ecological and morphological perspectives. Both were published in Mohlenbrock (2014) but lacked citation of the basionym reference, rendering them invalid according to Article 41.5 of the ICN (McNeill et al. 2012). We have discussed this with Bob Mohlenbrock and he has agreed to validate the names here, thus both combinations should be cited as "Mohlenbrock in Ladd & Thomas" or simply as "Mohlenbrock."

Dichanthelium ashei (T.G. Pearson ex Ashe) Mohlenbrock, **comb. nov.** *Panicum ashei* T.G. Pearson ex Ashe, J. Elisha Mitchell Sci. Soc. 15: 35. 1898. *Panicum commutatum* var. *ashei* (T.G. Pearson ex Ashe) Fernald, Rhodora 36: 83. 1934. *Dichanthelium commutatum* var. *ashei* (T.G. Pearson ex Ashe) Mohlenbrock, Erigenia 6: 26. 1985. *Dichanthelium commutatum* subsp. *ashei* (T.G. Pearson ex Ashe) Freckmann & Lelong, Sida 20: 169. 2002. **LECTOTYPE**: (Hitchcock & Chase, Contr. U.S. Natl. Herb. 15: 301. 1910 [as "duplicate of the type", corrected in Freckmann & Lelong, Sida 20: 169. 2002]): **USA**. **New York**. Tompkins Co.: Ithaca, Jul 1898, *W.W. Ashe s.n.* (US!; isolectotype: MO!).

Panicum ashei Pearson ex Ashe was maintained as a distinct species until Fernald (1934) included it as a variety within *Panicum commutatum*. Fernald's defense in doing so rests on his finding exceptions to the characters utilized in the keys constructed by Hitchcock and Chase (1910) to distinguish between *P. ashei*, *P. commutatum,* and *P. joorii*. While we agree that the primary characters used to differentiate these three species have occasional exceptions, this does not invalidate them as distinct species; characters in keys being a different matter than the innate nature of the species themselves. This is one of many such groups in the genus that require a close familiarity in the field throughout their range in order to fully grasp the nature and extent of the entities within. The inability to fully describe why a particular taxon is distinct in all cases and at all times does not make it indistinct and the placement of such taxa at an infraspecific rank often detracts from their evolutionary, floristic, and ecological significance.

Dichanthelium ashei typically differs from *D. commutatum* and *D. joorii* by having a more erect habit, with vernal leaves less than 12 mm wide and symmetrical leaf bases. The pubescence characters of the sheaths and internodes for sect. *Commutata*, long perpetuated in taxonomic keys, are not reliable and likely responsible for much of the confusion in this group. *Dichanthelium ashei* occurs in drier habitats than closely related species throughout its range. Several floras, including Freckmann and Lelong (2003), provide adequate keys and descriptions to these taxa, irrespective of rank.

Dichanthelium werneri (Scribn.) Mohlenbrock, **comb. nov.**, *Panicum werneri* Scribn., Ill. Fl. N. U.S. 3: 501. 1898. *Panicum linearifolium* var. *werneri* (Scribn.) Fernald, Rhodora 23: 194. 1921. *Panicum strictum* subvar. *werneri* (Scribn.) Farw., Amer. Midl. Naturalist 11: 44. 1928. *Dichanthelium linearifolium* var. *werneri* (Scribn.) Mohlenbr., Erigenia 6: 26. 1985. **TYPE**: **USA**. **Ohio**. Lake County: Painesville, 1889, *W.C. Werner 60* (holotype: US!)

There has always been uncertainty surrounding this entity, largely stemming from a lack of field familiarity. Clarity is gained when one approaches the group with the understanding that true *Dichanthelium linearifolium* can be glabrous, *D. werneri* can be quite pubescent (including its sheaths) and aside from spikelet length, every other character of *D. werneri* is more similar to *D. depauperatum* than to *D. linearifolium*. This last point was also made by Hitchcock and Chase (1910) but largely ignored by subsequent authors. We discovered this odd relationship while conducting vegetation monitoring in pineland restoration sites across the southern Ozarks of Missouri. Faced with the difficult task of identifying plants in sterile condition, with trial and error we eventually found several solid field characters to distinguish what we were then calling *D. depauperatum* and *D. linearifolium*. Later, when autumnal spikelets emerged, we noted that roughly half of our putative *D. depauperatum* plants lacked the requisite large size and beak of *D. depauperatum* spikelets. Because many of these plants with small, beakless spikelets were glabrous (at least on the sheaths), they would readily key to *D. linearifolium* var. *werneri*. However, since we had become so familiar with their distinct morphological expressions, it was clear that they were distinct from both *D. linearifolium* and *D. depauperatum*. Several years of field work and verification of herbarium material has solidified our concept of *D. werneri* as a consistently distinct species in Missouri. Furthermore, *D. werneri* has more fidelity to high quality acidic woodland communities in Missouri. The following key is based on field characters of Missouri material:

1. Ligule of largest vernal leaves 3-6 times wider than its longest point and usually backed by a pilose adaxial leaf surface; all vernal leaves flattened; leaves thin, green to blue-green, and often distributed on stems above the base of the plant ..... **D. linearifolium**

1. Ligule of largest vernal leaves many times wider than long (thus a short distinct line of hairs) and usually backed by a glabrate adaxial leaf surface; occasional vernal leaves with a distinct rounded "M" cross section; leaves often thicker, deeper green, and strongly basally disposed ..... **D. werneri**

- Even beyond *Dichanthelium*, many concepts of early authors (e.g., Rydberg 1932) seem to reflect valid taxonomic entities with meaningful ecological distinctions. The contemporary trend to minimize the importance of disciplined field work seems often to result in sterile, broadly generalized floristic treatments derived largely or exclusively from herbarium studies, with resultant loss of the essential insights that can only accrue from long familiarity with organisms in their habitats.
- The treatment of *Rubus* in Missouri has undergone a dramatic transformation between Steyermark (1963) and Yatskievych (2013). The current taxonomy better reflects the ecological and morphological entities in the state, and recent field work has begun to elucidate an understanding of the abundance, autecologies, and distributions of these taxa. This is not to say we fully understand *Rubus* but that we have a much better handle on the questions. For many species in the genus, we have included annotated comments that may prove helpful.
- In a few cases (e.g. *Carex tribuloides*, *Strophostyles helvola*), treatment of a species in Yatskievych (1999, 2006, 2013) obscures significant ecological and taxonomic distinctions reflected by the autecological patterns of plants within Missouri. In these instances, we recognize infraspecific taxa that seem to consistently exhibit distinct patterns of morphology, ecology and biogeography, with explanatory annotations.
- Few hybrids are included; their inclusion is somewhat capricious and restricted to fertile hybrids or entities whose presence at a site seems to convey information about habitat ecology or quality.

This is probably somewhat related to the extent to which we have worked with various plant groups and are familiar with their constancy and performance in the field.

Family assignments for each plant largely follow the concepts of Yatskievych (1999, 2006, 2013). Common names are provided for each taxon included in the list. These are an imperfect attempt to provide a standardized usage and eliminate ambiguities. Within these constraints, names are based largely on prevailing use within Missouri. Common names are not duplicated, except for a few pairs of infraspecific taxa that are not typically distinguished from one another by non-specialists.

SYNONYMY

Entries for each taxon in the list also include information regarding the treatment and names used in each of the following works: Steyermark (1963), USDA Plants (2014), and Yatskievych (1999, 2006, 2013). These cross-references are not taxonomic judgments or sweeping pronouncements on nomenclatural transpositions. They are simply a tool to allow the user to conceptually align names applied among different treatments encompassing the Missouri flora. The synonymy cross-reference is valid only for the individual works cited and may not be valid for the same name used by another author.

An exclamation mark in a synonymy column (i.e., !) indicates that the name in this list is the same as the name used in the reference to which the column refers. If the exclamation mark is in parentheses, this indicates that the names are congruent but that the author, while mentioning the taxon, did not attribute it to the Missouri flora. The designation "in part" in the synonymy columns indicates that the work in question includes what we consider to be multiple taxa under the name cited; typically this relates to infraspecific taxa. In some cases, recent work has revealed multiple taxa that previously would have been conceptually included under the name indicated, even though the names are not technical synonyms.

ACRONYMS

Each recognized taxon in the Missouri flora is assigned a standardized six-letter acronym. For species lacking multiple infraspecific taxa in the state, the acronym is usually composed of the first three letters of the genus followed by the first three letters of the specific epithet (i.e. "TAROFF" for *Taraxacum officinale*). In cases where multiple taxa would have the same default acronym, non-intuitive acronyms are used to prevent inadvertent recording of the wrong name in the field. Where possible, pneumonic or other aids are incorporated into non-intuitive acronyms (i.e. "ACESIL" for *Acer saccharinum* — **Sil**ver Maple, and "ACESUx" for various infraspecific taxa of **Acer** *saccharum* — **Su**gar Maple). For consistency, the few genera that have non-intuitive acronyms involving their genus names are used consistently for all members of that genus, e.g., all acronyms for *Euphorbia* begin with "EPH" (because of potential acronym overlap with taxa of *Eupatorium*), and acronyms for *Physalis* begin with "PHSA." All *Carex* taxa have acronyms beginning with "CX" instead of the first three letters of the genus.

Species with multiple infraspecific taxa occurring in the state are also coded with non-intuitive acronyms to ensure correct data entry — in most cases these are composed of the first three letters of the genus followed by the first two letters of the specific epithet and the first letter of the infraspecific taxon. Non-intuitive acronyms used in this checklist are designated with a dagger symbol: †.

PHYSIOGNOMY, NATIVITY, AND WETNESS

Each taxon in this list is assigned a physiognomic classification, based on its prevailing life history traits within Missouri (but not necessarily rangewide). These categories are

- annual forb
- biennial forb
- perennial forb
- annual grass
- perennial grass
- annual sedge
- perennial sedge
- fern (including all vascular cryptogams)
- shrub
- tree
- woody vine

Each taxon in the list is further characterized as native or adventive. Native taxa are those that were a part of the pre-Eurosettlement vegetation dynamics in the plant communities within what is now Missouri. Adventive species are those that are not part of any stable native assemblages of vegetation but that have been introduced to the Missouri flora, accidentally or deliberately, since Eurosettlement. These taxa are typically adapted to and in some cases dependent on, the process regimes and perturbations modern society imposes on the landscape.

In some cases, the nativity of a taxon in Missouri is unclear. Changing climate patterns, increased vectors for dispersion, and other factors have resulted in some anomalous patterns of species behavior. These include recent discoveries of southeastern taxa not typically thought of as invasive (e.g. *Cladium mariscus* subsp. *jamaicense*, *Eupatorium album*), as well as recent dramatic increases in distribution of taxa previously considered conservative (e.g. *Eupatorium rotundifolium*, *Tipularia discolor*). In these instances, we have made the designations on a case-by-case basis from an analysis of their ecological performance in Missouri, largely based on field experience, as well as biogeographic patterns and literature data, particularly in light of whether a taxon has a native context or is a regular component of any native vegetation types. A few North American weeds, particularly from areas to the west, may have been introduced to Missouri by Native Americans immediately prior to actual Eurosettlement, but these taxa are typically coded as adventive where they clearly demonstrate the obligate synecological patterns of introduced taxa. Where concepts of nativity in this list differ from Yatskievych (1999, 2006, 2013), explanatory annotation are provided.

Every taxon in the list is assigned one of 5 wetness coefficients, based on Lichvar (2012, 2013) and Lichvar et al. (2014). Wetness coefficients are expressed numerically in odd integers ranging from -5 through 0 to +5; each category has a named designation, as shown below on a scale of decreasing wetness.

-5	OBL	obligate wetland
-3	FACW	facultative wetland
0	FAC	facultative
3	FACU	facultative upland
5	UPL	upland

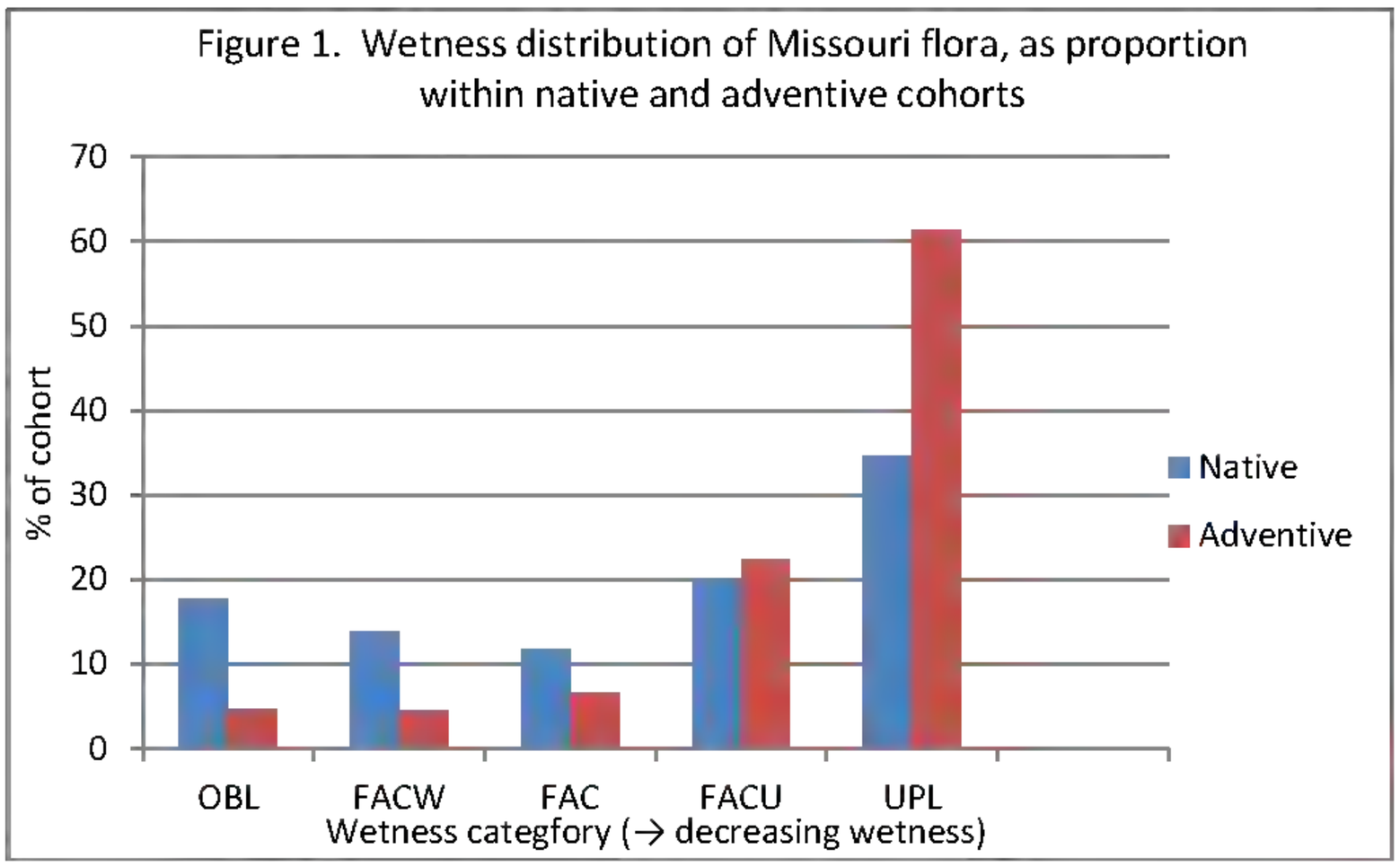
For wetland delineation purposes, Lichvar (2012) has divided the continental USA into seven regions. Wetness ratings are assigned to individual taxa within each region. Missouri comprises parts of three of these regions: (1) Atlantic and Gulf Coastal Plain (AGP); (2) Eastern Mountains and Piedmont (EMP); and (3) Midwest (MW). The assigned wetness designations for each of these

regions are provided in Table 3 in ALL CAPS. In instances where a designation was not provided for a taxon in a given region, the wetness designation is provided in small case. Generally, for undesignated entries across all three regions encompassing Missouri, the default rating is upland. For taxa where there is an assigned wetness rating in one or two of the three regions, a default rating is assigned to the other region(s) for consistency.

The final wetness column in Table 3 provides a recommended statewide wetness rating based on each taxon's overall ecological pattern in Missouri. Where different regions encompassing parts of Missouri have different wetness ratings for the same taxon, field knowledge of the plant's habitat proclivities and degree of obligate fidelity to wetlands was used to assign the rating. If this assigned rating falls outside of the range of federally provided ratings for the individual regions, it is included within [brackets]. In these cases the ecological performance for a taxon is notably and consistently different from that provided by its regional wetness rating(s).

Wetness designations often differ inexplicably among adjacent regions, and in Missouri-involved regions some of the recent adjustments to ratings (Lichvar 2013, Lichvar et al. 2014) have not been improvements over the original ratings of Lichvar (2012). For example, *Camassia scilloides*, the comely wild hyacinth of our glades and woodlands, is variously rated as facultative or facultative wetland for the regions that include parts of Missouri, despite its seemingly obligate predilection for uplands throughout its Missouri range. In an even more egregious example, depending on the region within Missouri, *Andropogon gyrans*, a characteristic species of xeric sterile uplands throughout the state, is variously rated upland, facultative, or obligate wetland! One would think that wetness ratings differing so markedly in adjacent regions would trigger skepticism and further inquiry, but such is not the case.

Figure 1. Wetness distribution of Missouri flora, as proportion within native and adventive cohorts



Proportional wetness distribution of the flora, sorted by national wetland rating categories, is shown in Figure 1. This clearly demonstrates the increased wetland affinities among our native flora. Nearly half (43.5%) of the native flora is rated facultative or wetter, whereas only 16% of the adventive component of our flora is similarly adapted to wetland environments.

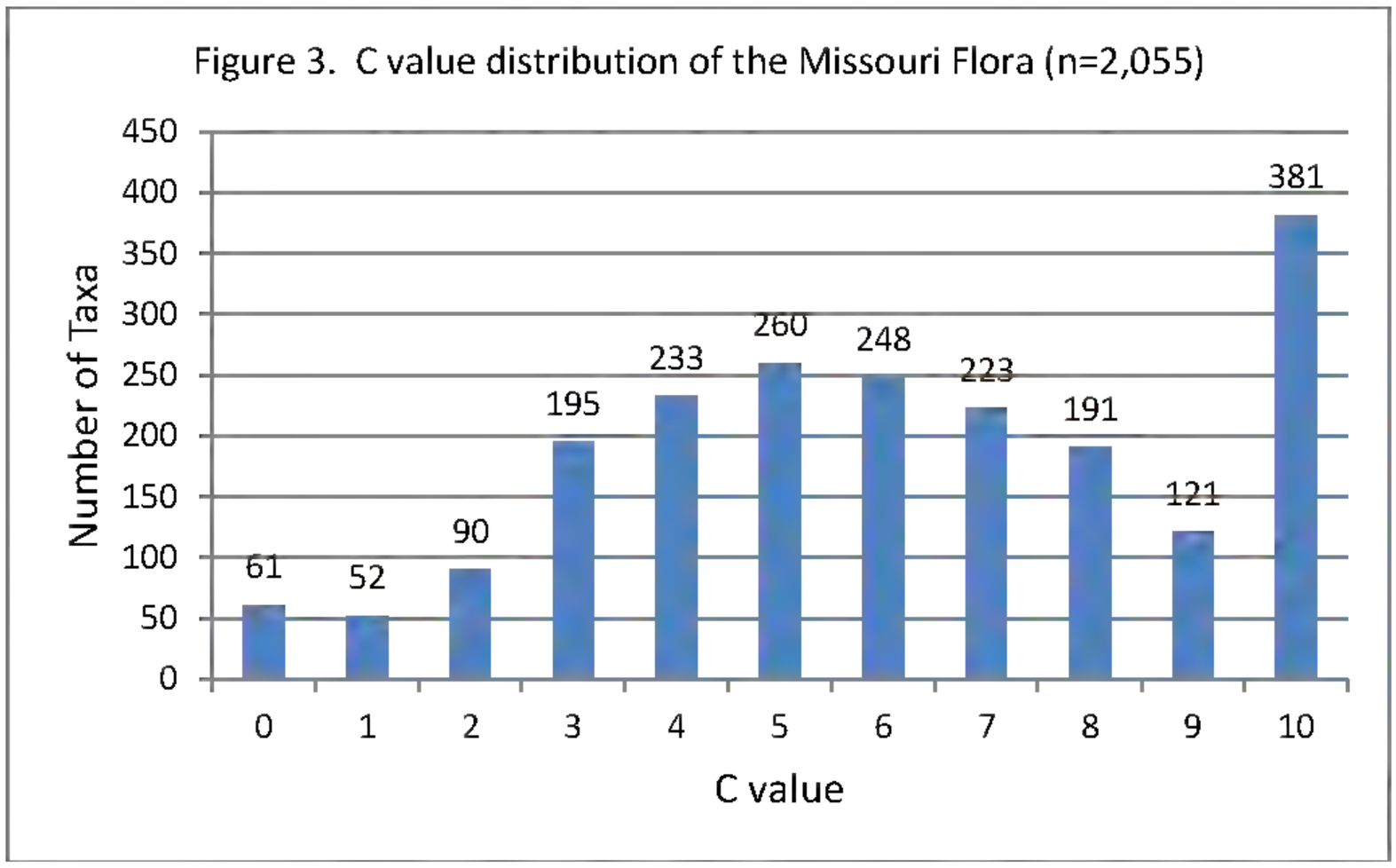
SUMMARY OF THE MISSOURI FLORA

Of the 2,961 vascular taxa comprising the Missouri flora, 906 (30.6%) are considered to be non-native. The physiognomic profile of the native and adventive components of the flora is shown in Figure 2. These data reveal starkly distinct physiognomic patterns between the native and adventive components of the flora. Our native flora, reflecting millennia of constrained dynamism that characterized the post-glacial, pre-Eurosettlement period, is overwhelmingly dominated by perennials: 80% of the flora is composed of woody plants or herbaceous perennials, while only 20% is annual or biennial. On the other hand, fully 50% of the adventive flora consists of annual or biennial herbaceous taxa, reflecting the opportunistic nature of these plants, which are typically adapted to frequent and or intense disturbance. The most striking difference between native and adventive components of the flora is the disparity in perennial sedges, with proportionally ten times as many native perennial sedges as there are adventives with this physiognomy.

Figure 2 Physiognomic distribution of the Missouri flora by native and adventive cohorts

	Native		Adventive	
Physiognomic Class	#	% of cohort	#	% of cohort
Annual Forb	300	14.6	336	37.1
Annual Grass	43	2.1	65	7.2
Annual Sedge	30	1.5	7	0.8
Biennial Forb	44	2.1	46	5.1
Perennial Forb	904	44.0	239	26.4
Perennial Grass	159	7.7	64	7.1
Perennial Sedge	204	9.9	10	1.1
Fern	73	3.6	2	0.2
Shrub	114	5.5	77	8.5
Tree	145	7.1	47	5.2
Woody Vine	39	1.9	13	1.4
Totals	2,055		906	

Distribution of C values among the Missouri flora are depicted in Figure 3. Nearly half of the flora (45%) can be categorized as conservative, with a C value of 7 or more. Systems with good representation of these taxa are highly restricted in both area and abundance in the fragmented, highly disturbed contemporary landscape, although they presumably were dominant in the pre-Eurosettlement period. The 19% of the flora consisting of plants with low C values (0-3), the native weeds and disturbance-adapted plants, are collectively abundant and disproportionately represented in our modern vegetation, reflecting the frequency and severity of impacts and ecologically novel disturbances that prevail today.



CONCLUSION

An annotated, ecologically-focused checklist of the Missouri flora provides a readily accessible, comprehensive account reflecting the performance of the state's vascular plants in the contemporary landscape. The assignment of C values to each element of the flora allows application of Floristic Quality Assessment tools to inform site assessments, habitat surveys, vegetation studies, and land management decisions.

ANNOTATED COMMENTS FOR CHECKLIST TAXA

This section includes comments and discussions for the individual taxa that are included in the checklist presented in Tables 1-3. Entries are arranged alphabetically by taxon and are referenced in Table 1 by a superscripted triangle (◄) following the species name.

Acer rubrum* var. *trilobum - Distinguished by small, prominently three-lobed leaves with rounded bases; typically occurring as small multi-coppiced trees in upland gravel washes in the southeastern Ozarks and often defining the community type.

Achillea millefolium - Although considered to be introduced in earlier versions of this work, recent evidence indicates that local populations are mostly part of a complex native to North America, although some of our material may be represent Old World escapes.

Agrostis perennans* vars. *aestivalis* and *perennans - Var. *aestivalis* is taller than var. *perennans*, with fewer stems per plant and a lax inflorescence. The spikelets are up to 2 mm long, on pedicels that are 1 3 times longer than the spikelets (in var. *perennans* the spikelets are 2 3 mm long on pedicels no longer than the spikelets). Var. *aestivalis* occurs in high quality shaded wetlands in the Ozarks.

Agrostis stolonifera - This plant is problematic, inasmuch as European strains are widely planted in turf grass mixtures and escape to a broad range of disturbed sites and moisture conditions. However, some of our finest fens and seepage wetlands along streams and spring branches have populations of a smaller, more lax variant of this species, which we are at times inclined to regard as potentially native. It might be more accurate in the future to recognize two elements within in the group, but further study is needed.

Allium canadense* and *A. mutabile - In our experience, *Allium mutabile* is a distinctive species of high quality xeric rocky areas and is characterized by an expanded inflorescence of well-developed

pink flowers and a lack of asexual bulblets. This is in stark contrast to *A. canadense*, which is common in more mesic disturbed weedy sites and primarily reproduces by asexual bulblets.

Amaranthus blitoides - Although Yatskievych (2006) has suggested this species is native in Missouri, it is not part of any native habitat or vegetation assemblage. All of our populations are associated with severely disturbed sites and are likely introduced from further west.

Amaranthus retroflexus - Although Yatskievych (2006) has implied that this taxon is native in Missouri, various authors regard it as either native or introduced from Tropical America. In Missouri, the plant is almost certainly an introduced weed, occurring only in areas with recent severe disturbance and never found in areas with any level of remnant integrity, in contrast to our native weeds such as *Ambrosia artemisiifolia*.

Anemone acutiloba **and** ***A. americana*** - Although we have followed the prevailing nomenclatural fad, we would strongly prefer using the genus *Hepatica* for *A. acutiloba* and *A. americana*; there are strong morphological reason for doing so, and the original subsumption under *Anemone* (Hoot et al. 1994) reveals paraphyletic relationships that are unresolved by their data. *Hepatica* remains a distinct morphological and molecular lineage, and retention of the genus would more accurately reflect evolutionary and morphological reality.

Apocynum X floribundum - This entity performs ecologically as a distinct species and is perhaps better treated as *A. medium* Greene. It often forms large colonies in woodlands.

Apocynum cannabinum - See notes under *A. sibiricum*.

Apocynum sibiricum - Although subsumed under *A. cannabinum* by Yatskievych (2006) and others, this taxon is distinctive in its sessile to nearly sessile, broadly cordate, subcoriaceous lower leaves, and a predilection for prairie regions, as opposed to the narrower, petiolate leaves and woodland affinities of *A. cannabinum*. Unfortunately, taxonomic concepts in this group have been obfuscated by a predominance of herbarium specimens with only the upper portions of the plant that lack the diagnostic lower leaves. Both Weakley (2011) and Swink and Wilhelm (1994) consider this taxon distinct.

Aristolochia serpentaria **vars.** ***hastata*** **and** ***serpentaria*** **-** Although regarded as a "trivial variant" by Yatskievych (2006), in Missouri this element is dramatically distinct, with larger, narrowly lanceolate leaves and broadly hastate bases; it appears to be restricted to southeastern Missouri. *Aristolochia serpentaria* is sometimes segregated as the genus *Endodeca*.

Asclepias speciosa - Yatskievych (2006) has speculated that the single St. Louis county record of this western species may be native, but it is adventive in the Chicago region (Wilhelm 1994) and likely also in Missouri, especially as far eastward as St. Louis.

Aureolaria flava **var.** ***calycosa*** - Although subsumed under *A. flava* by Yatskievych (2013), we consider this element to be distinct; it has a larger stature, with narrower, less dissected leaf segments and larger corollas than the typical variety. Var. *calycosa* is the most common element of the species in Missouri, occurring in dry and dry mesic wooded uplands on acidic substrates in the eastern and southern portions of the Missouri Ozarks.

Aureolaria flava **var.** ***flava*** - This taxon is apparently restricted to somewhat mesic, often deeply shaded, woodlands in the southeastern Missouri Ozarks. It has a smaller stature, slightly smaller corollas, and wider, more abundantly dissected leaves than does var. c*alycosa*.

Baptisia sphaerocarpa - While Yatskievych (2013) has suggested that some Missouri populations of this attractive and sometimes cultivated native of the south central USA may be native, others are known introductions. It seems more prudent to regard all Missouri material as introduced, as did Steyermark (1963).

Bidens aristosa **and** ***B. polylepis*** **-** Although Yatskievych (2006) included *Bidens polylepis* within *B. aristosa*, we believe that the two elements are sufficiently distinct that some may wish to recognize

them as separate species: *B. polylepis* with 12 or more coarsely ciliate, often curled, outer involucral bracts usually exceeding the inner bracts, with smaller achenes; *B. aristosa* with typically less than 10 weakly ciliate outer involucral bracts shorter than the inner bracts, with larger achenes. Although they have similar ecologies, *B. polylepis* is the common element in the state; *B. aristosa* appears to be uncommon except in eastern Missouri.

Bidens comosa* and *B. connata - Yatskievych (2013) united these taxa within *B. tripartita*, but locally it seems useful to recognize two entities, both distinct from the European *B. tripartita*, which has white-pubescent outer involucral bracts, as opposed to the glabrate to sparsely ciliate bracts of our native material. *Bidens connata* has 5-lobed, deep golden disk flowers with exserted stamens and achenes with bumpy or hairy midribs; *B. comosa* has 4-lobed, pale yellow disk flowers with included stamens and achenes with smooth midribs.

Calamovilfa longifolia - Missouri records are historical from a few counties along the Missouri River and likely represent introductions from immediately to the west; see Thieret (1966).

Carex aureolensis - As contrasted with the caespitose *Carex frankii*, with setiform pistillate and staminate scales, *C. aureolensis* is a rhizomatous plant with narrowly ovate, awned scales. *Carex aureolensis* is fairly well restricted to forested wetlands in the southeastern quarter of the state. *Carex frankii* is much more common and found in a very wide variety of mostly degraded, wet or moist habitats throughout the eastern United States.

Carex cumberlandensis - This species occurs in southeastern Missouri, growing in mesic woodlands along streams and on lower slopes. It would probably key to *C. abscondita* in Yatskievych (1999) but differs in having distichously arranged perigynia and drooping lower spikes, as contrasted with the spirally arranged perigynia and erect lower spikes of *C. abscondita*.

Carex frankii – See comments under *C. aureolensis*.

Carex laxiculmis* vars. *copulata* and *laxiculmis - Although Yatskievych (1999) did not recognize infraspecific taxa in this species, the two varieties traditionally segregated have distinct morphologies and ecologies. Var. *laxiculmis* is strongly glaucous, with slightly broader leaves (to ca. 12 mm); var. *copulata* is green, with leaves to ca. 8 mm wide. Both taxa occur in high quality mesic woodlands in southern Missouri, but the typical variety seems to be more restricted to sandy floodplains and acidic seeps in the eastern sectors.

Carex missouriensis - This species of prairie swales and wet prairies in the glaciated plains sections of Missouri would key to *C. bicknellii* var. *opaca* (*C. opaca*) in Yatskievych (1999) but differs in the acuminate or awned tips of the scales, which are whitish or brownish and membranaceous, with the midvein becoming obscure distally; in *C. opaca* the scales are blunt to acuminate, with firm herbaceous tips and prominent midveins extending to the tips.

Carex reznicekii - This species is very similar to *C. umbellata*, to which it would key in Yatskievych (1999). It differs *from C. umbellata* in its lack of basal solitary pistillate spikes. *Carex reznicekii* differs from the similar *C. nigromarginata* in its subequal fertile culms and narrower leaves no more than 2.5 mm wide. It is known from a few mesic to dry-mesic wooded slopes in southeastern Missouri, but it may be overlooked in the state.

Carex timida - Known from recent collections from overgrown dolomite glades in southern and southwestern Missouri, this species would key to *C. jamesii* in Yatskievych (1999) but differs in having staminate scales more than 1.9 mm long and basal sheaths with reddish purple tinges. The beaks of the perigynia are smaller in relation to the body in *C. timida* as compared to the longer beaks of *C. jamesii*.

Carex tribuloides* vars. *sangamonensis* and *tribuloides - In addition to the typical variety, which is common in moist woodlands, especially on floodplains, and has elongate perigynia three or more times longer than wide, there is a distinctive taxon, *C. tribuloides* var. *sangamonensis*, with perigynia

less than three times longer than wide and in tighter heads, that occurs in slightly drier habits than the typical variety and has a more southwestern distribution, though there is significant range overlap.

Carya glabra* and *C. ovalis - Yatskievych (1999) has synonymized *Carya ovalis* with *C. glabra*. While some young individuals or depauperate specimens can be difficult to determine, there are two clear entities in Missouri: *C. glabra*, with tight bark, persistent or partially splitting husks, and leaves consistently 5-foliolate; and *C. ovalis* with scaly or platey bark, fully dehiscent husks, and leaves consisting of seven leaflets. *Carya ovalis* is a characteristic tree of dry acidic woodlands in the Ozarks, growing on sterile ridges and upper slopes, while *C. glabra* tends to occur in somewhat more mesic habitats on lower and midslopes and occasionally along streams.

Carya ovalis – See comments under *C. glabra*.

Cenchrus spinifex - Although only recently documented in Missouri, this is a native component of the sand regions of the Sikeston Ridge in southeastern Missouri, growing in sand prairies and disturbed sandy areas. Although apparently a perennial, it can flower the first season. It is distinguished from *C. longispinus* by the 40 or fewer broad-based spines of the bur, as opposed to the 45 or more acicular spines of the burs of *C. longispinus*.

Chenopodium pratericola - Yatskievych (2006) has considered this species to be introduced in Missouri, but it is likely that some of our sand prairie populations are native. Recent treatments in Illinois, Ohio, and Ontario regard this taxon as native.

Cladium mariscus* subsp. *jamaicense - Although it is tempting to classify the Missouri population as native, we are tentatively considering it to be a recent introduction; see Namestnik et al. (2012).

Cornus amomum* subsp. *obliqua - This taxon is probably better treated as a distinct species: *C. obliqua* Raf.

Cornus foemina* subspp. *foemina* and *racemosa - Although we are following Yatskievych's (2006) treatment of these taxa as subspecies, they seem sufficiently distinct to be treated as species: *Cornus foemina* Mill. and *C. racemosa* Lam.

Crataegus collina - Included conceptually here is *C. spes-aestatum*, which Lance (2014) regards as a hybrid possibly involving *C. collina*.

Crataegus schuettei - Local reports of *C. macrosperma* are tentatively referred here; see discussion on p. 912 of Yatskievych (2013).

Cuscuta obtusiflora* var. *glandulosa - This dodder would key to *C. gronovii* in Yatskievych (2006) but differs in the smaller (to 2 mm long) flowers, as opposed to the 2 4 mm long flowers of *C. gronovii*. It is known from moist sites along streams in the Ozarks, growing on a variety of hosts including *Cephalanthus occidentalis* and *Justicia americana*.

Dichanthelium angustifolium - Absent from both Steyermark (1963) and Yatskievych (1999), this primarily coastal plain species occurs occasionally in dry sandstone habitats of prairies in the western and southwestern Missouri. While *D. angustifolium* is sometimes treated as a subspecies of *D. aciculare*, it is sufficiently distinct in morphology and habitat to warrant its treatment as a species. It grows in small clumps with long-linear leaves equally distributed along the vernal culm. The spikelets are 2.2 2.5 mm long, blunt tipped (like a small *D. oligosanthes*), with slightly attenuate primary glumes. It is most distinct when the previous year's stem can be located because the density and extent to which the nodes fasciculate surpasses any other species in our flora.

Dichanthelium ashei - This is a new combination addressed in the text of this paper. It replaces the name *D. commutatum* var. *ashei*.

Dichanthelium bicknellii - We are using this name in the sense that Steyermark (1963) used *Panicum bicknellii* and Yatskievych (1999) has used *Panicum boreale*. Apparently this morpho-entity arises from hybrid events between members of *Dichanthelum* sect. *Linearifolia* and *D. dichotomum* or *D. ashei*. Those familiar with the combinations can readily place the parentage, though none of them

have ever been validly published. Thus, the name *D. bicknellii* is being used to cover an elaborate and undescribed breeding system until said system gains some element of taxonomic resolution and stability. *Dichanthelium boreale* is a traditional species that occurs outside Missouri's boundaries.

Dichanthelium columbianum - This species is thus far restricted to the sand prairie woodland communities of the lower Mississippi floodplain in Missouri, where it often occurs as a dominant species. It is one of several species that are found along the Mississippi River as well as the coastal plain of the south, southeast, and the beach dune communities of the Great Lakes. It is superficially similar to the *D. lanuginosum* complex but grows in much more dense clumps, has a ligule approximately one millimeter long, and lacks pubescence along the central third of the adaxial leaf surfaces of the vernal leaves.

Dichanthelium dichotomum **var. *barbulatum*** - This variety is by far the more common of the two in Missouri. It can be distinguished by the presence of sparse to dense downward pointed hairs just above the nodes of the vernal stem (bearded nodes). It is very common in upland acidic woodlands and forests. The typical variety is extremely rare in Missouri, has wider leaves, lacks bearded nodes, and occurs in mesic to wet mesic habitats. There is little to no justification for maintaining them as varieties of the same species; they are clearly distinct entities.

Dichanthelium dichotomum **var. *yadkinese*** - This taxon would be better treated as a distinct species: *D. yadkinense* (Ashe) Mohlenbrock. It differs from the other varieties of *D. dichotomum* in having yellow dots along the sheaths and its larger stature. It was only known from a single location in Missouri, which was destroyed by the Taum Sauk dam failure in 2005.

Dichanthelium implicatum - Steyermark (1963) included this taxon in Missouri as a variety within the *Panicum lanuginosum* complex, while Yatskievych included it in his broad circumscription of *P. acuminatum* var. *acuminatum*. It differs from both *D. lanuginosum* and *D. acuminatum* in having a smaller stature, smaller (narrower and shorter) leaves with a long-villous pubescence along the adaxial surface, a very unique reflexed curvature to the vernal stem leaves in late summer and fall, smaller spikelets, and an affinity to high quality acidic upland woodlands and glades. There is no evidence supporting its inclusion in a broad concept of *D. lanuginosum* or *D. acuminatum*, and doing so obscures the ecological and evolutionary significance of each.

Dichanthelium joorii - This has been a largely overlooked species in Missouri. Because of its intermediate morphology, it initially appears to represent hybridization or introgression between *D. ashei* and *D. commutatum*. However, it forms distinct populations with unique characters throughout eastern, southern, and southeastern North America. It has an erect habit with more evenly distributed leaves than either *D. ashei* or *D. commutatum*. It also tends to branch more and has leaves that are nearly symmetrical at the base and taper to a nearly acuminate tip. Plants tend to be lighter green than *D. ashei* or *D. commutatum* and occur in more mesic habitats than *D. ashei*. Field familiarity with this species alleviates impressions of morphological intermediacy between *D. ashei* and *D. commutatum* and brings resolution to the group.

Dichanthelium lanuginosum - This species is what Steyermark (1963) referred to as *Panicum lanuginosum* var. *fasciculatum*. Yatskievych (1999) utilized a broad concept of the *Panicum acuminatum* complex, the subordinates of which are all treated as species in the present work. Extensive unpublished research by the second author demonstrates that *P. acuminatum*, in the strict sense, is restricted to the coastal plain of the southeastern United States and that *Dichanthelium lanuginosum*, without varietal designation, is the most appropriate name for this very common species. It is found statewide in most habitats, with a particular affinity to disturbed old fields, woodland clearings, and prairies, where it can become dominant.

Dichanthelium lindheimeri - This species is morphologically similar to *D. lanuginosum* but is glabrous throughout except for a few cilia on the margins of the leaf bases. Ecologically, it occurs in much wetter habitats than *D. lanuginosum*, where it can be confused with *D. longiligulatum*. *Dichanthelium longiligulatum* differs in having smaller leaves, a general lack of cilia on the leaf

margins, smaller spikelets, and a string-of-pearls fasciculation effect along the stem in the autumnal form. See also notes under *D. longiligulatum*.

Dichanthelium longiligulatum - This species is usually found along the draw-down zone of ephemeral wetlands and pond margins. It appears to have a proclivity for acidic, sandy and clayey soils, where it grows in densely spaced clumps, with minimal competition from other plants. Being a morphological diminutive within the *D. acuminatum* complex, it is proportionally smaller than other related taxa in most regards. See also notes under *D. lindheimeri*.

Dichanthelium perlongum - This is best treated as a distinct species in Missouri. It is found in high quality prairie and glade communities throughout the state and can be distinguished from other members of sect. *Linearifolia* by its large, blunt spikelets and often ascending inflorescence branches.

Dichanthelium polyanthes - This is better treated as a distinct species instead of as a variety of *P. sphaerocarpon* as in Yatskievych (1999). It is a much larger plant with longer, stiffer leaves, and a denser inflorescence.

Dichanthelium praecocius - This is better treated as a distinct species rather than any of the several lumpings to which it has been relegated within sect. *Lanuginosa*. It can be identified by its short habit, distinctly ascending leaves, precocious axillary inflorescence, and dark, stiff, villous pubescence. It is morphologically most similar to *D. implicatum* and *D. villosissimum*. It differs from *D. implicatum* in having longer spikelets (1.8 2.0 vs. 1.3 1.6 mm) and is restricted to quality prairie remnants (*D. implicatum* is primarily a woodland species). It differs from *D. villosissimum* in having a shorter stature, narrower leaves, shorter spikelets, and a ligule longer than 2 mm.

Dichanthelium villosissimum - This is a fairly common element of high quality acidic woodland and savanna communities in Missouri. It is readily identified by its densely villous pubescence and is also the largest member of sect. *Lanuginosa*. It superficially resembles *D. praecocius* but it is taller, has wider more spreading leaves, and a minute ring of ligule hairs that are visible under magnification.

Dichanthelium werneri - This is a new combination addressed above. It replaces the name *D. linearifolium* var. *werneri*.

Dichondra carolinensis - Despite Yatskievych's (2006) assertion that some Missouri populations are native, there is no supporting ecological evidence to indicate that this recent addition to the flora is anything but a weed spreading from the southeastern states. Weakley (2011) has mentioned the weedy tendencies of this plant throughout its USA range and characterized occurrences north of the region from Florida to Arkansas and Texas as adventive.

Dirca palustris - Yatskievych (2013) recognizes a second taxon in Missouri, *D. decipiens*, supposedly characterized by pubescent twigs, persistently sessile or subsessile flowers, and distinctly lobed (as opposed to scalloped and undulate) calyx margins. We have been unable to reliably distinguish this element, and *D. palustris* is quite variable in this regard, so we consider all Missouri material to be referable to *D. palustris*.

Echinacea angustifolia - This taxon was considered introduced in previous versions of this list, but a recent collection from a high quality loess hill prairie in northwestern Missouri appears to be native. The original St. Louis record cited in Steyermark (1963) and Yatskievych (2006) is still considered to be an introduction.

Eleocharis compressa **vars.** ***acutisquamata*** **and** ***compressa*** - These two varieties of *E. compressa* are distinct and warrant segregation. Misunderstanding of the distinct infraspecific variants within this species and the *E. tenuis* complex may be the cause of confusion. *Eleocharis compressa* var. *compressa* has distinctly flattened culms whereas var. *acutisquamata* has narrower, subterete culms that are slightly if at all compressed. Variety *acutisquamata* appears to be a species of mesic to wet-mesic prairies in the Glaciated Plains of northern Missouri.

Eleocharis engelmannii - This complex of somewhat weedy tufted annual spike rushes was lumped into *E. obtusa* by Yatskievych (1999), with considerable discussion of the segregates. We are following Smith et al. (2002) and recognizing three species in the complex. The following key will facilitate determination of material in this section in Missouri.

1. Achenes appearing truncate, widest at or near summit, the tubercle broader than high and about as broad as the achene.

    2. Tubercle a low deltoid, to 25% as tall as achene; the summit of the achene curving outward and ± confluent with tubercle base ..... **E. engelmannii**
    2. Tubercle nearly an equilateral triangle, >35% as tall as achene; the summit of the achene incurved under the tubercle base ..... **E. obtusa**

1. Achenes broadly ovate, broadest well below summit, the tubercle higher than broad and notable narrower than the achene.

    3. Tubercles to 0.5 mm wide; scales of spikelet obtuse to subacute ..... **E. ovata**
    3. Tubercles >0.5 mm wide; scales of distal half of spikelet acute ..... **E. lanceolata**

Additionally, *Eleocharis obtusa* var. *jejuna* occurs in Missouri and is included here under *E. obtusa*; it is characterized by its diminutive size, capillary culms and small achenes.

Eleocharis obtusa – See comments under *E. engelmannii*.

Eleocharis ovata - See comments under *E. engelmannii*.

Eleocharis macrostachya – See comments under *E. xyridiformis*.

Eleocharis tenuis* var. *atrata - While we are unsure of the precise nomenclature for the entity, there is a small-stemmed *Eleocharis* in the prairie regions of Missouri that is notably larger, with more longitudinal edges on the culm and darker achenes than *E. verrucosa*.

Eleocharis xyridiformis - Included under most authors' concepts of *E. macrostachya*, this is a distinctive large spike rush with more robust and more conspicuously compressed culms than those of *E. macrostachya*. While the exact relationship to *E. macrostachya* is unknown, the entity merits recognition (Smith et al. 2002), which is currently available only at the species rank.

Elymus churchii - This is a rare species in Missouri and is endemic to the Interior Highlands. It is superficially similar to *Elymus hystrix,* but it has a nodding inflorescence, reflexed lemma awns, and well-developed glumes. It is found in calcareous woodlands in the White River Hills.

Elymus curvatus - Both Steyermark (1963) and Yatskievych (1999) have used the name *submuticus* for this taxon (Steyermark as a species and Yatskievych as a variety of *E. virginicus*). However, when it is used at the rank of species the name *E. curvatus* has priority over *E. submuticus*. This is a very distinct member of the *E. virginicus* complex. It is morphologically distinct in having nodding, usually partially exerted inflorescences and short awn on the lemmas. It tends to occur in open, somewhat weedy disturbed habitats.

Elymus glabriflorus - We are puzzled that this species continues to be maintained as a variety of *E. virginicus* by many contemporary authors despite the vast morphological, ecological, and phenological differences between them. *Elymus glabriflorus* has a larger, fuller inflorescence that becomes fully exerted from the terminal sheath. The inflorescence of *E. virginicus* is almost always at least partially included in the terminal sheath and has shorter awns on the lemmas. *Elymus glabriflorus* is found in xeric to dry-mesic woodlands, prairies and old fields. *Elymus virginicus* is fairly restricted to mesic floodplain forests and woodlands. Lastly, *E. glabriflorus* blooms a week or two later than *E. virginicus*, which makes it three or more weeks later than *E. macgregorii*, with which it is also sometimes confused (see notes under *E. macgregorii*).

Elymus jejunus - The recent treatment of *Elymus* in the Flora of North America (Barkworth et al. 2007) revives this name as a variety of *E. virginicus*. Once we understood its distinct morphology

and habitat in Missouri's prairies, we began to question its reduction to varietal status under *E. virginicus*. Morphologically, this taxon most closely resembles *E. virginicus* and *E. glabriflorus*. It differs from *E. virginicus* in having exerted inflorescences and a preference for upland, fully exposed habitats. It differs from *E. glabriflorus*, with which it is often syntopic, in its smaller stature and strongly two-ranked inflorescence with appressed spikelets, where *E. glabriflorus* is larger and has more open bushy inflorescences.

Elymus macgregorii - The description of this new species (Campbell 2000) and the subsequent treatment of *Elymus* in the Flora of North America (Barkworth et al. 2007) have significantly clarified the *Elymus virginicus* complex. *Elymus macgregorii* is a common species which superficially resembles both *E. virginicus* and *E. glabriflorus*. It differs from *E. virginicus* in blooming two weeks earlier, with glaucous leaves and culms and inflorescences fully exerted from the terminal leaf. The inflorescence is also wider due to the longer spreading awns of the lemmas. Both occur commonly, and often together, in mesic wooded floodplains. *Elymus glabriflorus* blooms latest, has exerted inflorescences, and occurs in drier, more open habitats.

Eupatorium album - This southern species has recently been collected in a pine restoration area in the southeastern Missouri Ozarks. It would likely key to *E. semiserratum* in Yatskievych (2006) but differs in the long acuminate phyllaries, as opposed to the obtuse phyllaries of *E. semiserratum*. While Missouri populations could conceivably represent recent introductions, it seems equally plausible that they are remnants from the more open pine woodlands that formerly characterized significant portions of the Ozarks.

Eupatorium torreyanum - Some recent collections from woodlands in southeastern Missouri differ from typical *E. hyssopifolium*, to which they would key in Yatskievych (2006), in being coarser plants with larger leaves at least 5 mm broad, with well-developed marginal teeth, as contrasted with the entire to obscurely and weakly dentate, narrower leaves (to 5 mm) of typical *E. hyssopifolium*. While these may be of hybrid origin, Weakley (2011) provides a good rationale for recognizing certain putative hybrids in this genus as functional species. It is not known with certainty whether Missouri populations are natives or recent introductions, but at this point we are tentatively considering them to be native. The anomalous Wayne County population discussed under *E. hyssopifolium* by Yatskievych (2006) is included here.

Euphorbia ouachitana - This recently described species is known only from extreme southwestern Missouri, and our understanding of its ecology and conservatism is minimal. It has recently been segregated from *E. commutata* (Mayfield 2013), from which it differs by its annual (versus biennial) habit and deeply pitted seeds remaining dark brown and lustrous at maturity.

Euphorbia serpyllifolia - Although Yatskievych (2006) considers one of the Missouri populations "presumably native," there is no evidence to indicate that this plant of open disturbed ground is anything other than an adventive from the Great Plains.

Fraxinus pennsylvanica* vars. *pennsylvanica* and *subintegerrima - Although these varieties were not recognized by Yatskievych (2013), we feel they merit segregation. Var. *subintegerrima*, with glabrous twigs, petioles, and rachises, is the common, weedy, silt-tolerant ash along streams and in disturbed floodplains and ruderal areas throughout the state. Var. *pennsylvanica*, with finely pubescent branches, petioles, and rachises, is restricted to higher quality sites mostly in northern Missouri, growing in moist woodlands.

Fraxinus smallii - This tree appears to be common in mesic woodlands, and in Missouri much of what has traditionally been referred to as *F. americana* is probably this species; see Nesom (2010).

Gaura spp. - Despite the current trend of subsuming *Gaura* within *Oenothera*, we are reluctant to submerge such a distinctive, naturally coherent genus, which differs so much from typical *Oenothera*, and for the present are retaining traditional generic concepts in this group

Helianthus petiolaris - Although Yatskievych (2006) considers this species to be native in Missouri, it is likely a recent introduction from further west. While it seems a bit of a stretch to regard our

annual sunflowers as native, as least in the case of *H. annuus* there is a long history of Native American domestication and use in the region prior to Eurosettlement. The case for nativity is weaker for *H. petiolaris*. Despite Yatskievych's (2006) comments that both of these weedy annual sunflowers occur in prairies, these almost certainly reflect early label data when prairie vegetation was more widely distributed in the state and even the verges of roadsides and railroads could be considered to be prairie. Neither plant is a component of any stable native assemblage or habitat, and both require intensive ongoing disturbance to persist.

Helianthus strumosus - We think this entity is a well-defined species of intact wet areas and seepages, possibly persisting as a glacial relict. Much of the confusion discussed by Yatskievych (2006) devolves from the broad morphological variability within *H. hirsutus*. True *H. strumosus* is taller and broader leaved than *H. hirsutus*, and it most often has glaucous adaxial leaf surfaces. Note that we have revised the wetness values to accurately reflect the performance of this species in Missouri; these differ greatly from those assigned by Lichvar (2012).

Heliopsis helianthoides **vars.** ***helianthoides*** **and** ***scabra*** - We find these two elements to be well distinguished both morphologically and ecologically, with the typical variety more of a prairie and open grassland taxon, and var. *scabra* found in fens, wooded seeps, and other moist shaded areas in the Ozarks.

Heliotropium procumbens - Although Yatskievych (2013) implies that this plant is native in Missouri by not stating otherwise, it is known only from a single recent collection from disturbed open ground and is here regarded as an introduction.

Houstonia longifolia **vars.** ***longifolia*** **and** ***tenuifolia*** - Due to a simple architecture upon which a high degree of morphological plasticity is expressed, the genus *Houstonia* can be taxonomically difficult. Steyermark (1963) added to the confusion by asserting that *H. longifolia* is the common element, dismissing the findings of Terrell (1959), who included all Missouri material in *H. tenuifolia*. However, based on Steyermark's key, the vast majority of our material falls within var. *tenuifolia*, and the typical variety is quite rare.

Ipomoea coccinea - Although Yatskievych (2006) considered Missouri occurrences to be native, local populations are probably introductions. The species is not part of any high quality natural community, and all populations we have seen are in highly disturbed areas, including weedy thickets along streams, disturbed roadsides and paths, and moist shaded clearings. The plant often becomes preemptively dominant in these sites, much as any invasive weed. It readily spreads from cultivation and becomes naturalized.

Juncus filipendulus - Recently collected in a seepy dolomite glade in Taney County, this species would key in Yatskievych (1999) to *J. marginatus*, but it differs in habitat and in being a small plant with a strict, congested inflorescence and the perianth segments much exceeding the capsules.

Leersia virginica **vars.** ***ovata*** **and** ***virginica*** - We see two distinct ecological and morphological entities within *Leersia virginica*. Var. *virginica* is a somewhat sprawling to weakly erect plant with smooth to minutely pubescent lemmas; common in moist areas of wooded uplands and other shaded wet places. Var. *ovata* is a more robust, strongly erect plant with bristly ciliate margins on the lemma. It is apparently restricted to wet depressions in high quality woodlands in southeast Missouri.

Lepidium densiflorum - Although Yatskievych (2006) regarded this taxon as native, it invariably occurs only in ruderal or highly disturbed areas, with no native context whatsoever, unlike the closely related *L. virginicum*, which, while also weedy, also occurs in sites with remnant natural integrity. The origins of the plant are unclear and best summarized by Swink and Wilhelm (1994): "The origin of this plant is uncertain, most authors consider it introduced from Eurasia and Mulligan (1961) regards it as native to the prairie provinces of Canada." Regardless of its origin, our plants behave ecologically like introduced weeds, and are regarded as such here.

Lespedeza frutescens – See comments under *L. prairea*.

Lespedeza prairea - In high quality mesic to dry-mesic prairies in the Osage Plains, we regularly encounter a distinctive *Lespedeza* that is evocative of *L. frutescens* but is more lax, more foliose and more highly branched. This element appears to be restricted to high quality prairies, and to accommodate it we are resurrecting *L. prairea* (Mack. & Bush) Britt., as applied by Rydberg (1932). The leaves of *L. prairea* are often distichously ranked on a strongly leaning stem, with all leaf surfaces directed upward. The leaflets are obovate, as opposed to the broadly oblong leaflets of *L. frutescens*. In *L. prairea*, the infloresence is more lax, with short calyx lobes typically less than a fourth as long as the pods.

Lindernia dubia* vars. *anagallidea* and *dubia - Many modern authors do not recognize *L. dubia* var. *anagallidea* as distinct from var. *dubia*, but the two taxa are easily distinguished and appear to have different ecologies in Missouri. Var. *anagallidea*, with the pedicels (except the lowest) far exceeding the subtending leaves, is the common, weedy element in wet muddy or sandy areas statewide. Var. *dubia*, with most of the pedicels shorter than the subtending leaves, is less common and more likely to occur in better quality habitats, particularly sinkhole wetlands; it often has smaller flowers and thinner leaves that are somewhat rhombic.

Listera australis - Recently discovered by the second author in a moist, springy woodland in southeastern Missouri, this species would key imperfectly to *Pogonia* in Yatskievych (1999) but has a small pair of opposite leaves at midstem, with a loose terminal raceme of greenish purple flowers, each with a lower lip split into two elongate narrow lobes. Some authors place this species in the genus *Neottia*.

Ludwigia grandiflora - Although Yatskievych (2013) suggest this species is native in Missouri because of the lack of evidence to the contrary on collection labels, it is highly likely the plant is an introduction: USDA (2014) considers all occurrences in the United States to be introductions.

Melica mutica - Recently discovered in a mesic woodland in southern Missouri, this species has spikelets with two fertile lemmas and glumes of similar size and shape, as opposed to *M. nitens*, with each glume in a pair being markedly different, and three fertile lemmas per spikelet.

Monarda punctata* var. *arkansana - Yatskievych (2013) suggests that this taxon may be introduced in Missouri. It is known only from an 1884 collection in the lower Meramec River valley. On the other hand, the Missouri Department of Conservation (2015) lists it as a species of conservation concern. While it may indeed be an early railroad introduction, we are tentatively retaining it as native, although with no great confidence.

Myriophyllum sibiricum - Yatskievych (2013), while acknowledging the recent migration of this species into the state, regards it as native inasmuch as the putative dispersal vector was "natural," i.e., waterfowl. However, in the ecological sense, and as applied in this work, elements of the flora that have become established in the state post-Eurosettlement are regarded as introductions. These taxa are not part of the stable assemblage of interacting biota that characterized the pre-Eurosettlement landscape and as such have the potential to exert destabilizing impacts on native biota. Additionally, it becomes counterproductive to attempt to segregate certain post-Eurosettlement vectors as "natural," given the pervasive alterations and disruptions that have afflicted all aspects of our environment in the past three centuries. Waterfowl populations, behaviors, and movement patterns have been profoundly altered by the myriad artificial ponds, loss of native wetlands, predator changes, and other impacts, and are no more "natural" than other dispersion vectors in the modern environment.

Panicum gattingeri - Yatskievych (1999) included this as a synonym under *P. philadelphicum*. While dwarfed plants are often difficult to discern (Steyermark 1963), there is considerable difference between these species ecologically and morphologically. *Panicum gattingeri* is actually more similar in overall habit to *P. capillare* in its sprawling habit and wide, densely pubescent leaves. The habit of *P. philadelphicum* is more similar to *P. flexile* in its erect habit, with long narrow leaves that, although densely hairy, are not conspicuously so. *Panicum gattingeri* is found in more mesic

disturbed sites like flooded fields and gravel bars. *Panicum philadelphicum* is a species of upland habitats ranging from disturbed fields and roadsides to high quality glades and woodlands.

Panicum longifolium - This addition to the Missouri flora has been treated as a subspecies or variety of *Panicum rigidulum*. Typical *P. rigidulum* is common in Missouri, growing in disturbed, open, seasonally wet areas and often forming extensive populations with other weedy species. While *P. longifolium* is morphologically similar to *P. rigidulum*, it is smaller, has a more open inflorescence, and is only found in high quality wetlands with other species indicative of stable, often relictual, communities.

Parthenium hispidum - Although Yatskievych (2006) relegates this to a variety of *P. integrifolium*, the two taxa are quite distinct in Missouri, both ecologically and morphologically. Problems as discussed by Yatskievych emanate primarily from attempting to study material only in herbaria and not in the field. *Parthenium hispidum* is a characteristic species of carbonate glades and woodland openings in circumneutral soils. It is strongly rhizomatous, forming dense stands of stout, low stems. The leaves often are somewhat broader in relation to their length compared to those of *P. integrifolium*. *Parthenium integrifolium* occurs as scattered individuals in a wide array of shaded to open dry sites. The somewhat lustrous, dark green leaves are widely scattered along the tall, erect culms.

Penstemon cobaea* vars. *cobaea* and *purpureus - Although these two elements may be, as Yatskievych (2013) states, "trivial color forms," they display distinctive ecological affinities. Variety *purpureus* is restricted to carbonate glades, growing on dolomite and limestone in southwestern Missouri. Variety *cobaea* is a prairie species of the Great Plains, barely extending into the prairies of western Missouri.

Phragmites australis* subspp. *americanus* and *australis - Both a native element and an aggressive Old World element of *Phragmites australis* occur in Missouri. The native subsp. *americanus* is characterized by ligules more than 0.4 mm long and first glumes of the larger spikelets more than 4.5 mm long; the culms are typically tingled purplish. This element occurs in wetlands, coexisting with other wetland species. The weedy subsp. *australis* has ligules to 0.4 mm long, with the larger first glumes seldom exceeding 4.5 mm; the culms are greenish to yellowish. This is the tall, aggressive weed that forms dense monocultures in disturbed wet areas, especially in acidic or saline sites such as strip mine spoils, ditches along slated roads, and industrial areas.

Polygonum ramosissimum* vars. *prolificum* and *ramosissimum - Yatskievych (2013) discusses in detail some of the taxonomic and distribution issues regarding var. *prolificum*, a species of saline seeps characterized by a blue-green cast and smaller, narrower leaves. We regard this element as sufficiently distinct, both morphologically and ecologically, to warrant recognition.

Portulacca oleracea - Long considered an Old World weed, recent works (e.g. Matthews 1993) suggest that this species was used by Native Americans in the pre-Eurosettlement era. Matthews (1993) noted that Nuttall reported this species from Missouri "before settlers could have transported it from the east." Despite this, in Missouri this plant displays the classic attributes of an introduced weed and is not part of any native community phase, including naturally disturbed areas favored by our native weeds.

Potentilla simplex - Although we have decided reluctantly not to segregate it at this point, a distinct phase of this species occurs in our prairies and can be segregated as var. *argyrisma*. It is characterized by striking, appressed, silvery pubescence on the undersides of the leaves and long spreading hairs on the stems.

Proboscidea louisiana - This species of the southern plains has been cultivated as a garden curiosity for centuries, and it is far more likely that Missouri populations, which are uncommon and evanescent, are garden escapes rather than some native range extension carried by bison, as some have speculated.

Prunus hortulana - The subsumption of *Prunus munsoniana* under *P. hortulana* is baffling and seems predicated solely on herbarium analyses by those unfamiliar with the species in the wild. In Missouri the two are distinct and consistent, and regardless of the putative hybrid origins of *P. munsoniana*, it occurs as an ecologically and morphologically distinct entity with strong prairie affinities, forming clonal thickets, as opposed to the more ubiquitous and somewhat weedy *P. hortulana*, which typically grows as a small tree in old pastures and weedy brush rows. The leaf characters described in Steyermark (1963) are also useful for distinguishing the two.

Prunus munsoniana – See comments under *P. hortulana.*

Quercus rubra - What we refer to as *Quercus rubra* has two expressions throughout its range. In more acidic soils and at higher elevations *Q. rubra* often grows straighter, has grayer bark, deeper lobes, and pubescent tips on buds. These trees can be difficult to distinguish from *Q. coccinea* (especially in the White River Hills). This is what authors have variously referred to as var. *ambigua*, var. *borealis*, and even *Q. borealis*. Virtually every key that has been used to separate the two uses proportions of the acorn cap as the primary character, which is ineffective. By comparison, typical *Q. rubra* occurs on more basic soils, has a subtly sinuous trunk with contrasting black and white furrows on the bark, has shallower leaf lobes, and lacks pubescence on the tips of buds. Because we are uncertain as to whether these differences constitute clinal variation or actual segregates of separate breeding systems, both entities are subsumed under *Q. rubra.*

Quercus shumardii **var. *acerifolia*** - The epithet *acerifolium* was long applied to an element thought to be endemic to the region near Magazine Mountain, Arkansas. But even on Magazine Mountain many of the trees include foliage that has both well-defined maple-like leaves as well as leaves more traditionally associated with what has been referred to as *Q. shumardii* var. *schneckii* and even typical *Q. shumardii*. Also, the extreme morphologies found on Magazine Mountain have recently been found on calcareous glades throughout the Missouri Ozarks, where they clearly grade into what has long been called *Q. shumardii* var. *schneckii*. It seems clear that there is a single taxon of the upland variant of *Q. shumardii*, and some individuals of this element have a predilection to reduced, maple-like leaves, particularly on dwarfed trees of exposed upland sites. This convoluted relationship prompted the second author to compare the morphology of the type specimen *of Q. schneckii* Britton with specimens collected in the field. He was surprised to find that the type specimen of *Q. schneckii* is clearly *Q. texana* and not a member of the Q. *shumardii* complex *sensu stricto* (the type of *Q. schneckii* can be viewed on tropicos.org). Thus, the epithet *"schneckii"* has been misapplied for decades. The next available name for the entity in question is var. *acerifolia*. So, in a strange twist of irony, in finding little evidence to support the maintenance of *Q. shumardii* var. *acerifolia* as a distinct taxon, we now must broaden the name to include everything that has been erroneously called *Q. shumardii* var. *schneckii.*

Rhynchospora scirpoides - Recently discovered in a sinkhole pond in Shannon County, this species would key to *Rhynchospora* in Yatskievych (1999) but would not be determinable to species, since it lacks perianth bristles. It is a tufted annual with only a single empty scale in each many-flowered spikelet; this species was formerly placed in the genus *Psilocarya.*

Robinia pseudoacacia - Although distinctions are not typically made for taxa that have both native and introduced populations in the state, in part because it can be difficult to determine with certainty the origins of a particular population. However, an exception is made in the case of *Robinia pseudoacacia*. Throughout the state, introduced populations of this plant are aggressive introduced weeds, forming dense clonal groves to the virtual exclusion of other vegetation. It can be a problematic weed once established in areas with remnant natural quality. On the other hand, native populations of this species occur at the northeastern edge of their range in extreme southwestern Missouri. Here *Robinia* grows as innocuous understory trees scattered in dry rocky woodlands, with such associates as *Sapindus saponaria*, and displays no tendencies to form thickets or become

aggressive. It would be illuminating to study the genetics of this species in Missouri our native material may differ significantly from the ubiquitous weedy genotype.

Rosa carolina* subspp. *carolina* and *subserrulata - The *Rosa carolina* complex is poorly understood locally and seems to be bafflingly confounded with *R. arkansana*. Ozark populations in particular are hypervariable and appear to display varying degrees of introgression with other species, perhaps *R. foliolosa*. These Ozark populations are clearly distinct from the low rose that is frequent in remnant prairies in the Osage Plains and Central Tallgrass Prairie regions of the state; they may represent an endemic taxon.

Rubus ablatus - The only way this species makes sense in the field is if it and the name *R. argutus* are switched in Yatskievych's (2013) keys. *Rubus ablatus* appears to be a small to medium blackberry that, in open areas, grows high arching canes up to 2.0 meters tall. However, in forested habitats it arches low on very wiry stems. Plants of intermediate forms are common. This morphological plasticity in varying degrees of shade makes it difficult to gain a field concept of this taxon. We have also found it to root at the tip, which makes us wonder if we are not actually dealing with *R. recurvans* instead. It is rather distinct in its narrowly elliptic leaves that taper to the tips and taper, or are rounded, at the bases (not subcordate as in the similar *R. argutus*). This does not appear to be very common throughout the state. The distribution maps of *R. argutus* in Yatskievych seem to match it as well.

Rubus alumnus - This is a common species in the Ozarks and can be readily identified by the presence of glandular hairs on the flower and leaf stalks and by the ovate terminal primocane leaves. Caution should be employed because the less common *R. rosa* also has this combination of features, although it is much more glandular and has very large, nearly rotund, leaflets.

Rubus argutus - As stated under *R. ablatus*, this taxon only makes sense if its name has been switched with *R. ablatus* in Yatskievych's (2014) keys. This is the most common blackberry in the state. It can occur in a large range of habitats but is most often found in disturbed old fields, the margins of gravel roads, and heavily burned woodlands forests. It forms very large patches that often exceed 2 meters tall. It lacks glandular pubescence and the terminal leaflet of the primocane leaves, which is usually broadest at or above the middle, is cordate to subcordate at the base. It is most similar to *R. laudatus,* which differs in having a strongly acuminate terminal leaflet and a propensity to dry a tobacco-brown color.

Rubus celer - This dewberry is very similar to *R. enslenii* but differs in its preference for slightly more mesic sites, more rounded leaflets with more uniform marginal teeth, its tendency to grow as large multi-stemmed plants, and to occasionally form very large tangled populations.

Rubus curtipes - This is typically the most diminutive species of *Rubus* in our flora. The stems of this dainty dewberry often grow in a hoop-like form, with the tip rooting. The primocane leaflets are subtly pubescent beneath as compared to the glabrate leaflets of *R. enslenii* and the densely felty leaflets of *R. meracus* and *R. roribacus*. The floricane leaflets are small and round tipped and are evocative of *Potentilla canadensis* (although there are only three leaflets). It appears to be fairly common, with an affinity to old fields with other native vegetation.

Rubus enslenii - This is the most common dewberry in the woodlands and forests of the Ozarks. The flowers tend to occur in solitary inflorescences, but robust plants can break this rule. It is also a common component of both the glaciated and unglaciated prairie regions in Missouri. It can be recognized by its glabrate lower surfaces of the leaflets, elliptic terminal leaflets, and a tendency to be very low arching to fully procumbent. Characteristic habitats include xeric to dry-mesic woodlands, forests and prairies, as well as old fields and disturbed open areas. See also notes under *R. plicatifolius*.

Rubus flagellaris - This species is common in the prairie regions of the state and occasional in the Ozarks. The keys in Yatskievych (2013) indicate that it is not pubescent on the lower surfaces of the primocane leaflets. However, there is a tremendous amount of variation in this character and many

specimens will not key by this character. It is typically a low, sprawling dewberry with thick, heavily armed stems that often develop five large leaflets on the primocane leaves. The terminal leaflet is often rotund to broadly ovate and comes to an abruptly acuminate tip. The base of the terminal leaflet is either rounded or subcordate. The leaflets are often coriaceous and longitudinally undulate along the secondary veins.

Rubus frondosus - After *R. argutus*, this appears to be the most common blackberry in the state. It is similar to *R. argutus* except for the broadly ovate terminal leaflets of the primocane leaves. They are widest at or just below the middle of the leaf, where *R. argutus* is typically widest above the middle. *Rubus frondosus* also tends to be a softer plant in terms of thinner and more softly pubescent leaves. Its habitat is the same as *R. argutus*.

Rubus laudatus - This species is similar to *R. argutus* but it has more uniformly serrate teeth on its primocane leaves, shorter acuminate tips of the terminal leaflet of the primocane leaves, and a propensity to dry a tobacco-brown color. Having only found it in fens in the Ozarks and along shrubby swales in the prairie regions of the state, it appears to prefer mesic to wet soils.

Rubus meracus - We are finding a tremendous amount of variation in what keys to both *R. meracus* and *R. roribaccus*. The variation is so rampant that it appears that there are several species encompassed by these two names. Specimens that key to these two names in Yatskievych (2013) should do so because they are softly pubescent with felt-like hairs on the lower leaf surfaces. Specimens that are merely pubescent, but not felt-like softly pubescent, should be keyed under the "not pubescent" lead.

Rubus missouricus - This species has only been found in average to high quality prairies in Missouri. It is easily identified by its small stature (typically waist high or lower) and its propensity for plants to occur as individual floricane-primocane pairs, each separated by a meter or more within what can be quite extensive colonies. It usually produces small blackberries that are not very flavorful.

Rubus mollior - This is a frequent to locally common species in the Ozarks. It is more lax in growth form than most blackberries. It often forms loose mounds of tangled canes. The terminal leaflet of the primocane leaves range from round to obovate with a strongly acuminate tip. The stems and abaxial leaf surfaces often appear subtly glaucous. The inflorescences are short leafy racemes.

Rubus plicatifolius - This species was not officially included in the flora of Missouri by Yatskievych (2014), although he mentions a possible historic record. Recently, several separate investigators working in prairies in the unglaciated region of Missouri began noticing a dewberry that consistently had too many flowers per inflorescence and with the leaf margins too jagged to be *R. enslenii*. The leaves of this dewberry were too elliptic-leaved to be *R. flagellaris* and not sufficiently pubescent to fit into the *R. meracus roribaccus* group. Because this entity had conspicuously plicate primocane leaflets and otherwise matched the description, the name *R. plicatifolius* was adopted for it. It is superficially similar to *R. enslenii* and the two often grow syntopically with *R. flagellaris*. To date, it has only been found in the glaciated and unglaciated prairie regions of Missouri.

Rubus roribaccus - See notes under *R. meracus*.

Rubus satis - This is another species name that likely encompasses multiple cryptic taxa in Missouri. Though *R. satis* is technically included in the dewberries (sect. *Flagellares*) because of its ability to root at the tip, it has several features that make it different from all other members of the section. For example, plants achieve the size and arching height of blackberries. The mature floricanes turn a reddish mahogany color and have sparsely distributed tiny prickles. In the southeastern Ozarks, *R. satis* has deep green, nearly rugose, primocane leaflets with somewhat revolute margins. In the northern Ozarks as well as prairie regions it more closely resembles an erect-arching *R. flagellaris*. The reddish stem with small prickles and short inflorescences seem to unite these otherwise hypervariable morphologies.

Rudbeckia bicolor - *Rudbeckia bicolor*, long considered synonymous with *R. hirta*, appears to us to be a distinct species of xeric acidic sites in southern Missouri. It is a taprooted annual without basal

leaves, usually growing as a small, single-stemmed plant with no to a few, short, ascending branches. The culm leaves are spatulate to narrowly obovate and apically obtuse, with notably stiffer hairs. In Missouri, *R. hirta*, while capable of flowering the first year and functioning as an annual, is typically a short-lived perennial and has distinct tufts of basal leaves and ovate, apically acute culm leaves.

Rudbeckia fulgida* vars. *sullivantii* and *umbrosa - Campbell and Seymour (2013) have recently completed a preliminary revision of this group; they recognize var. *sullivantii* as a distinct species, and our var. *umbrosa* is referable to their *R. palustris*. Additionally, there is a third taxon in Missouri, which Campbell and Seymour call *R. speciosa* [not fully synonymous with *R. fulgida* var. *speciosa* of Steyermark (1963), much of which is actually referable to *R. fulgida* var. *sullivantii* as applied in this list]. We have little direct knowledge of this third element, even as to whether it is native or introduced, so are not including it on the list at this point. It is characterized by earlier flowering (ca. midsummer), with narrower, less distinctly petiolate leaves that are softly pubescent, as opposed to the late summer to autumnal flowering and broader, distinctly petiolate, coarsely pubescent leaves of the other two members of the complex. A smaller leaved plant with more and shallower teeth on the leaves that is closely related to *R. speciosa*, *R. tenax* C.L. Boynt and Beadle, may be what has appeared with newly installed gravel associated with the remediation of the reservoir failure at the power generation facility on Taum Sauk mountain; it is not yet known whether this will persist as an element of the flora.

Rudbeckia hirta – See comments under *R. bicolor*.

Schizachyrium scoparium - The segregation of this archetypical tallgrass prairie species into a separate genus from other bluestems, while widely accepted, seems inappropriate and unsupported. The generic delimitation is essentially based on the sole character of a single raceme at the peduncle summit, as opposed to two or more in *Andropogon,* despite the compelling morphological similarities in the distinctive spikelets of the complex. Indeed, the morphological differences distinguishing *A. gerardii* from other local members of the genus exceed the degree of difference between *Schizachyrium scoparium* and our other species of *Andropogon*. While we are bowing to convention for the convenience of the user, given the tenuous supporting data for this segregation, we recall Hans Christian Andersen's 1837 work: "But the emperor isn't wearing anything at all"!

Scirpus rubricosus - Although included within *Scirpus cyperinus* by most authors, this taxon appears quite distinct in Missouri. It is characterized by larger, more abundant, pedicillate spikelets on exposed leggy inflorescence branches. Ecologically it is very much like *S. cyperinus*, with which it can be syntopic, but is often found is higher quality wetlands.

Solidago altissima - The common weedy goldenrods remain conceptually confused. The most common weedy form throughout the state appears to be *S. canadensis* var. *hargeri,* despite the implication by the range maps in Yatskievych (2006) that it is less common than *S. altissima*, although both taxa are often common components of old fields, pastures, and other moderately disturbed sites. *Solidago altissima* var. *gilvocanescens*, which has more affinities to prairie vegetation, would seem to be better treated as a subspecific taxon within *S. canadensis*.

Solidago canadensis – See comments under *S. altissima*.

Solidago nemoralis* vars. *nemoralis* and *longipetiolata - In addition to the characters used to distinguish the two infraspecific elements discussed in Yatskievych (2006), var. *longipetiolata* consistently blooms ca. two weeks earlier than the typical subspecies, has longer spatulate leaves, larger flower heads, and is a taller plant. Because var. *longipetiolata* is a fertile polyploid that does not backcross to the parental *S. nemoralis* var. *nemoralis*, one wonders why these are not treated as distinct species. Not doing so calls into question the purported commitment to a biological species concept over a morphological one.

Solidago speciosa* var. *rigidiuscula - This appears to be the common form in prairies, whereas the typical variety has woodland affinities.

Stenosiphon linifolius - As with *Gaura*, we cannot bring ourselves to embrace the nomenclatural trend to subsume this distinctive taxon within *Oenothera*, and so are retaining this species in *Stenosiphon*.

Strophostyles helvola* vars. *helvola* and *missouriensis - Two elements within this species seem sufficiently distinctive morphologically to merit segregation at the varietal level: var. *helvola*, with the leaflets typically lobed or with their margins irregularly incurved and asymmetrical, and var. *missouriensis*, with unlobed, longitudinally symmetrical leaflets and larger fruits and seeds. The latter variety is less common and has often been confused in the field with *S. umbellata* and or *Amphicarpaea bracteata*.

Symphyotrichum pilosum* var. *pringlei - Although many authors recognize only a single variable element within this species, in addition to the hairy weed that is ubiquitous in disturbed areas throughout the state, there is a smaller, thinner-stemmed, more delicate plant with narrow glabrous leaves that occurs in disturbed areas of rocky wooded uplands, such as along logging roads and skid landings. With absolutely no confidence as to taxonomic accuracy, we are segregating this distinctive element as var. *pringlei*.

Vernonia baldwinii - Note that Yatskievych (2006) has transposed the characters in the key to infraspecific taxa; thus in his keys, subsp. *interior* would key as subsp. *baldwinii*, and vice versa.

Viola nephrophylla - As applied in Missouri, this concept seems to encompass two entities one a common weed of shaded lawns, low picnic areas, and moist disturbed woodlands, and the other a conservative taxon restricted to fens, seeps, and other high quality minerotrophic or phreatic wetlands, but further study is needed to clarify this issue. Taxonomy of the weedy blue violets affiliated with the *V. sororia* complex remains a tangled mess.

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ECOLOGICAL CHECKLIST OF THE MISSOURI FLORA

TABLE 1.
Scientific and common names, acronyms, C values, and physignomy for the Missouri flora, arranged alphabetically by scientific name See discussion in text for more information Scientific names for introduced taxa are rendered in ALL CAPS and have an asterisk in the C value ("C") column Non intuitive acronyms are designated with a dagger (†) Taxa designated with a superscripted triangle (◂) following the scientific name are discussed in the annotated comments in the text above

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ABUTHE	*	ABUTILON THEOPHRASTI	Ad A-FORB	Velvetleaf
ACAANG	10	Acaciella angustissima	Nt SHRUB	Prairie Acacia
ACADEA	7	Acalypha deamii	Nt A-FORB	Large-Seeded Mercury
ACAGRA	3	Acalypha gracilens	Nt A-FORB	Slender Mercury
ACAMON	3	Acalypha monococca	Nt A-FORB	One-Seeded Slender Mercury
ACAOST	1	Acalypha ostryifolia	Nt A-FORB	Three-Seeded Mercury
ACARHO	1	Acalypha rhomboidea	Nt A-FORB	Rhombic Copperleaf
ACAVIR	2	Acalypha virginica	Nt A-FORB	Virginia Mercury
ACEGIN	*	ACER GINNALA	Ad TREE	Amur Maple
ACENEG	1	Acer negundo	Nt TREE	Box Elder
ACERUD†	8	Acer rubrum var drummondii	Nt TREE	Drummond's Maple
ACERUR†	5	Acer rubrum var rubrum	Nt TREE	Red Maple
ACERUT†	6	Acer rubrum var trilobum◂	Nt TREE	Trident Maple
ACESIL†	2	Acer saccharinum	Nt TREE	Silver Maple
ACESUF†	6	Acer saccharum subsp floridanum	Nt TREE	Southern Sugar Maple
ACESUN†	5	Acer saccharum subsp nigrum	Nt TREE	Black Maple
ACESUG†	5	Acer saccharum subsp saccharum	Nt TREE	Sugar Maple
ACESUC†	5	Acer saccharum subsp schneckii	Nt TREE	Velvety Sugar Maple
ACHMIL	1	Achillea millefolium◂	Nt P-FORB	Yarrow
ACHPTA	*	ACHILLEA PTARMICA	Ad P-FORB	Sneezewort
ACHJAP	*	ACHYRANTHES JAPONICA	Ad P-FORB	Japanese Chaff Flower
ACMOPP	8	Acmella oppositifolia	Nt P-FORB	Spilanthes
ACMAME	6	Acmispon americanus	Nt A-FORB	Clement's Prairie Trefoil
ACOUNC	10	Aconitum uncinatum	Nt P-FORB	Southern Monkshood
ACOCAL	*	ACORUS CALAMUS	Ad P-FORB	Sweet Flag
ACTPAC	8	Actaea pachypoda	Nt P-FORB	White Baneberry
ACTRAC	7	Actaea racemosa	Nt P-FORB	Black Cohosh
ACTCHI	*	ACTINIDIA CHINENSIS var DELICIOSA	Ad W-VINE	Dwarf Kiwi
ADICAP	10	Adiantum capillus-veneris	Nt FERN	Venus-Hair Fern
ADIPED	6	Adiantum pedatum	Nt FERN	Maidenhair Fern
ADOANN	*	ADONIS ANNUA	Ad A-FORB	Blood Drops
AEGCYL	*	AEGILOPS CYLINDRICA	Ad A-GRASS	Goat Grass

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
AESIND	*	AESCHYNOMENE INDICA	Ad A-FORB	Indian Jointvetch
AESRUD	*	AESCHYNOMENE RUDIS	Ad P-FORB	Zigzag Jointvetch
AESGLG†	5	Aesculus glabra var glabra	Nt TREE	Ohio Buckeye
AESGLT†	5	Aesculus glabra var arguta	Nt TREE	Ohio Buckeye
AESPAV	7	Aesculus pavia	Nt TREE	Red Buckeye
AGAASP	10	Agalinis aspera	Nt A-FORB	Rough False Foxglove
AGAAUR	10	Agalinis auriculata	Nt A-FORB	Eared False Foxglove
AGAFAS	7	Agalinis fasciculata	Nt A-FORB	Fascicled Agalinis
AGAGAT	7	Agalinis gattingeri	Nt A-FORB	Round-Stemmed False Foxglove
AGAHET	10	Agalinis heterophylla	Nt A-FORB	Prairie False Foxglove
AGAPUR	10	Agalinis purpurea	Nt A-FORB	Purple False Foxglove
AGASKI	7	Agalinis skinneriana	Nt A-FORB	Pale False Foxglove
AGATEN	4	Agalinis tenuifolia	Nt A-FORB	Slender False Foxglove
AGAVIR	10	Agalinis viridis	Nt A-FORB	Green False Foxglove
AGANEP	4	Agastache nepetoides	Nt P-FORB	Yellow Giant Hyssop
AGASCR	9	Agastache scrophulariifolia	Nt P-FORB	Purple Giant Hyssop
AGEALT	2	Ageratina altissima	Nt P-FORB	White Snakeroot
AGECON	*	AGERATUM CONYZOIDES	Ad A-FORB	Ageratum
AGRGRY	9	Agrimonia gryposepala	Nt P-FORB	Tall Agrimony
AGRPAR	5	Agrimonia parviflora	Nt P-FORB	Swamp Agrimony
AGRPUB	4	Agrimonia pubescens	Nt P-FORB	Soft Agrimony
AGRROS	4	Agrimonia rostellata	Nt P-FORB	Beaked Agrimony
AGRCRI	*	AGROPYRON CRISTATUM	Ad P-GRASS	Crested Wheat Grass
AGRGIT	*	AGROSTEMMA GITHAGO	Ad A-FORB	Corn Cockle
AGRCAP	*	AGROSTIS CAPILLARIS	Ad P-GRASS	Rhode Island Bent
AGRELL	3	Agrostis elliottiana	Nt A-GRASS	Awned Bent Grass
AGRGIG	*	AGROSTIS GIGANTEA	Ad P-GRASS	Redtop
AGRHYE	3	Agrostis hyemalis	Nt P-GRASS	Tickle Grass
AGRPEA†	8	Agrostis perennans var aestivalis◀	Nt P-GRASS	Lowland Bent Grass
AGRPEP†	3	Agrostis perennans var perennans◀	Nt P-GRASS	Upland Bent Grass
AGRSTO	*	AGROSTIS STOLONIFERA◀	Ad P-GRASS	Creeping Bent Grass
AILALT	*	AILANTHUS ALTISSIMA	Ad TREE	Tree Of Heaven
AIRCAR	*	AIRA CARYOPHYLLEA	Ad A-GRASS	Silver Hair Grass
AIRELE	*	AIRA ELEGANS	Ad A-GRASS	Hair Grass
AJUREP	*	AJUGA REPTANS	Ad P-FORB	Common Bugle
AKEQUI	*	AKEBIA QUINATA	Ad W-VINE	Chocolate Vine
ALBJUL	*	ALBIZIA JULIBRISSIN	Ad TREE	Mimosa
ALCROS	*	ALCEA ROSEA	Ad P-FORB	Hollyhock
ALIGRA	8	Alisma gramineum	Nt P-FORB	Grass-Leaved Water Plantain

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ALISUB	3	Alisma subcordatum	Nt P-FORB	Common Water Plantain
ALITRI	5	Alisma triviale	Nt P-FORB	Large-Flowered Water Plantain
ALLPET	*	ALLIARIA PETIOLATA	Ad B-FORB	Garlic Mustard
ALLBUR	9	Allium burdickii	Nt P-FORB	Ramps
ALLCAN	2	Allium canadense◄	Nt P-FORB	Wild Garlic
ALLCEP	*	ALLIUM CEPA	Ad P-FORB	Wild Onion
ALLCER	8	Allium cernuum	Nt P-FORB	Nodding Wild Onion
ALLMUT	7	Allium mutabile◄	Nt P-FORB	Glade Onion
ALLSAT	*	ALLIUM SATIVUM	Ad P-FORB	Garlic
ALLSTE	6	Allium stellatum	Nt P-FORB	Prairie Onion
ALLTRI	8	Allium tricoccum	Nt P-FORB	Wild Leek
ALLTUB	*	ALLIUM TUBEROSUM	Ad P-FORB	Chinese Chives
ALLVIN	*	ALLIUM VINEALE	Ad P-FORB	Field Garlic
ALNGLU	*	ALNUS GLUTINOSA	Ad TREE	European Alder
ALNSER	7	Alnus serrulata	Nt SHRUB	Smooth Alder
ALOAEQ	9	Alopecurus aequalis	Nt P-GRASS	Tufted Foxtail
ALOCAR	0	Alopecurus carolinianus	Nt A-GRASS	Annual Foxtail
ALOPRA	*	ALOPECURUS PRATENSIS	Ad P-GRASS	Meadow Foxtail
ALYALY	*	ALYSSUM ALYSSOIDES	Ad A-FORB	Pale Alyssum
ALYDES	*	ALYSSUM DESERTORUM	Ad A-FORB	Alyssum
AMAALB	0	Amaranthus albus	Nt A-FORB	Tumbleweed
AMAARE	*	AMARANTHUS ARENICOLA	Ad A-FORB	Torrey's Amaranth
AMABLS†	*	AMARANTHUS BLITOIDES◄	Ad A-FORB	Creeping Amaranth
AMABLM†	*	AMARANTHUS BLITUM var EMARGINATUS	Ad A-FORB	Salad Amaranth
AMACAU	*	AMARANTHUS CAUDATUS	Ad A-FORB	Purple Amaranth
AMACRU	*	AMARANTHUS CRUENTUS	Ad A-FORB	Red Amaranth
AMAHYB	0	Amaranthus hybridus	Nt A-FORB	Green Amaranth
AMAHYP	*	AMARANTHUS HYPOCHONDRIACUS	Ad A-FORB	Prince's Feather
AMAPAL	*	AMARANTHUS PALMERI	Ad A-FORB	Careless Weed
AMAPOW	*	AMARANTHUS POWELLII	Ad A-FORB	Tall Amaranth
AMARET	*	AMARANTHUS RETROFLEXUS◄	Ad A-FORB	Rough Amaranth
AMASPI	*	AMARANTHUS SPINOSUS	Ad A-FORB	Thorny Amaranth
AMATRI	*	AMARANTHUS TRICOLOR	Ad A-FORB	Chinese Spinach
AMATUB	0	Amaranthus tuberculatus	Nt A-FORB	Tall Water Hemp
AMAVIR	*	AMARANTHUS VIRIDIS	Ad A-FORB	Slender Amaranth
AMBACA	*	AMBROSIA ACANTHICARPA	Ad A-FORB	Annual Bursage
AMBART	0	Ambrosia artemisiifolia	Nt A-FORB	Common Ragweed
AMBBID	0	Ambrosia bidentata	Nt A-FORB	Southern Ragweed

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
AMBPSI	3	Ambrosia psilostachya	Nt P-FORB	Western Ragweed
AMBTOM	*	AMBROSIA TOMENTOSA	Ad P-FORB	False Ragweed
AMBTRI	0	Ambrosia trifida	Nt A-FORB	Giant Ragweed
AMEARB	6	Amelanchier arborea	Nt TREE	Shadbush
AMEHUM	*	AMELANCHIER HUMILIS	Ad SHRUB	Low Shadbush
AMIMUS	10	Amianthium muscitoxicum	Nt P-FORB	Fly Poison
AMMCOC	6	Ammannia coccinea	Nt A-FORB	Common Toothcup
AMMROB	8	Ammannia robusta	Nt A-FORB	Grand Toothcup
AMMMAJ	*	AMMI MAJUS	Ad A-FORB	Bishop's Weed
AMMBUT	*	AMMOSELINUM BUTLERI	Ad A-FORB	Sand Parsley
AMOCAN	8	Amorpha canescens	Nt SHRUB	Lead Plant
AMOFRU	6	Amorpha fruticosa	Nt SHRUB	Indigo Bush
AMONIT	8	Amorpha nitens	Nt SHRUB	Shining Indigo Bush
AMPARB	7	Ampelopsis arborea	Nt W-VINE	Pepper Vine
AMPBRE	*	AMPELOPSIS BREVIPEDUNCULATA	Ad W-VINE	Porcelain Berry
AMPCOR	3	Ampelopsis cordata	Nt W-VINE	Raccoon Grape
AMPDRA	3	Amphiachyris dracunculoides	Nt A-FORB	Broom Snakeroot
AMPBRA	4	Amphicarpaea bracteata	Nt A-FORB	Hog Peanut
AMSLYC	*	AMSINCKIA LYCOPSOIDES	Ad A-FORB	Fiddleneck
AMSMEN	*	AMSINCKIA MENZIESII	Ad A-FORB	Menzies Fiddleneck
AMSTES	*	AMSINCKIA TESSELLATA	Ad A-FORB	Devil's Lettuce
AMSCIL	10	Amsonia ciliata var filifolia	Nt P-FORB	Ciliate Blue Star
AMSILL	7	Amsonia illustris	Nt P-FORB	Shining Blue Star
AMSTAS†	6	Amsonia tabernaemontana var salicifolia	Nt P-FORB	Blue Star
AMSTAT†	6	Amsonia tabernaemontana var tabernaemontana	Nt P-FORB	Blue Star
ANAARV	*	ANAGALLIS ARVENSIS	Ad A-FORB	Scarlet Pimpernel
ANAMIN	5	Anagallis minima	Nt A-FORB	Chaffweed
ANAMAR	*	ANAPHALIS MARGARITACEA	Ad P-FORB	Pearly Everlasting
ANCAZU	*	ANCHUSA AZUREA	Ad P-FORB	Showy Bugloss
ANCOFF	*	ANCHUSA OFFICINALIS	Ad P-FORB	Common Bugloss
ANDPHY	9	Andrachne phyllanthoides	Nt SHRUB	Glade Buckbrush
ANDGER	5	Andropogon gerardii	Nt P-GRASS	Big Bluestem
ANDGYR	3	Andropogon gyrans	Nt P-GRASS	Elliott's Broom Sedge
ANDTER	5	Andropogon ternarius	Nt P-GRASS	Splitbeard Bluestem
ANDVIR	2	Andropogon virginicus	Nt P-GRASS	Broom Sedge
ANDOCC	3	Androsace occidentalis	Nt A-FORB	Rock Jasmine
ANEACU	7	Anemone acutiloba◄	Nt P-FORB	Sharp-Lobed Hepatica
ANEAME	6	Anemone americana◄	Nt P-FORB	Round-Lobed Hepatica
ANECAN	6	Anemone canadensis	Nt P-FORB	Meadow Anemone

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ANECAR	7	Anemone caroliniana	Nt P-FORB	Carolina Anemone
ANECYL	9	Anemone cylindrica	Nt P-FORB	Thimbleweed
ANEQUI	10	Anemone quinquefolia	Nt P-FORB	Wood Anemone
ANEVIR	4	Anemone virginiana	Nt P-FORB	Tall Anemone
ANEGRA	*	ANETHUM GRAVEOLENS	Ad A-FORB	Dill
ANGVEN	8	Angelica venenosa	Nt P-FORB	Wood Angelica
ANOCRI	*	ANODA CRISTATA	Ad A-FORB	Crested Velvetleaf
ANTNEG	4	Antennaria neglecta	Nt P-FORB	Field Cat's Foot
ANTPAR	5	Antennaria parlinii	Nt P-FORB	Pussy's Toes
ANTARV	*	ANTHEMIS ARVENSIS	Ad A-FORB	Corn Chamomile
ANTCOT	*	ANTHEMIS COTULA	Ad A-FORB	Dog Fennel
ANTODO	*	ANTHOXANTHUM ODORATUM	Ad P-GRASS	Sweet Vernal Grass
ANTCAU	*	ANTHRISCUS CAUCALIS	Ad A-FORB	Chervil
ANTMAJ	*	ANTIRRHINUM MAJUS	Ad P-FORB	Snapdragon
APEINT	*	APERA INTERRUPTA	Ad A-GRASS	Italian Wind Grass
APESPI	*	APERA SPICA-VENTI	Ad A-GRASS	Loose Silky Bent
APHAUS	*	APHANES AUSTRALIS	Ad A-FORB	Parsley Piert
APHSKI	*	APHANOSTEPHUS SKIRRHOBASIS	Ad A-FORB	Arkansas Lazydaisy
APIAME	6	Apios americana	Nt P-FORB	Groundnut
APIGRA	*	APIUM GRAVEOLENS	Ad P-FORB	Celery
APLHYE	8	Aplectrum hyemale	Nt P-FORB	Putty Root Orchid
APOFLO	4	Apocynum × floribundum◀	Nt P-FORB	Intermediate Dogbane
APOAND	5	Apocynum androsaemifolium	Nt P-FORB	Spreading Dogbane
APOCAN	3	Apocynum cannabinum◀	Nt P-FORB	Prairie Dogbane
APOSIB	3	Apocynum sibiricum◀	Nt P-FORB	Indian Hemp
AQUCAN	6	Aquilegia canadensis	Nt P-FORB	Columbine
ARALYR	8	Arabidopsis lyrata	Nt B-FORB	Sand Cress
ARATHA	*	ARABIDOPSIS THALIANA	Ad A-FORB	Mouse-Ear Cress
ARAHIR	6	Arabis hirsuta	Nt B-FORB	Hairy Rock Cress
ARAHYP	*	ARACHIS HYPOGAEA	Ad P-FORB	Peanut
ARAELA	*	ARALIA ELATA	Ad TREE	Japanese Angelica Tree
ARANUD	10	Aralia nudicaulis	Nt P-FORB	Wild Sarsaparilla
ARARAC	8	Aralia racemosa	Nt P-FORB	Spikenard
ARASPI	6	Aralia spinosa	Nt SHRUB	Hercule's Club
ARCMIN	*	ARCTIUM MINUS	Ad B-FORB	Common Burdock
ARESER	*	ARENARIA SERPYLLIFOLIA	Ad A-FORB	Thyme-Leaved Sandwort
ARGALB	*	ARGEMONE ALBIFLORA	Ad A-FORB	Prickly Poppy
ARGMEX	*	ARGEMONE MEXICANA	Ad A-FORB	Mexican Poppy
ARGDEA	9	Argyrochosma dealbata	Nt FERN	Cloak Fern

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ARIDRA	6	Arisaema dracontium	Nt P-FORB	Green Dragon
ARITRI	6	Arisaema triphyllum	Nt P-FORB	Jack-In-The Pulpit
ARIADS	5	Aristida adscensionis	Nt A-GRASS	Sixweeks Three-Awn
ARIBAS	4	Aristida basiramea	Nt A-GRASS	Fork-Tipped Three-Awn Grass
ARIDES	8	Aristida desmantha	Nt A-GRASS	Curly Three-Awn
ARIDIU†	3	Aristida dichotoma var curtissii	Nt A-GRASS	Churchmouse Three-Awn
ARIDID†	3	Aristida dichotoma var dichotoma	Nt A-GRASS	Poverty Grass
ARILAN	9	Aristida lanosa	Nt P-GRASS	Woollyleaf Three-Awn
ARILOG†	4	Aristida longespica var geniculata	Nt A-GRASS	False Arrow Feather
ARILOL†	2	Aristida longespica var longespica	Nt A-GRASS	Slimspike Three-Awn
ARIOLI	1	Aristida oligantha	Nt A-GRASS	Plains Three-Awn Grass
ARIPUR	5	Aristida purpurascens	Nt P-GRASS	Arrow Feather
ARIRAM	4	Aristida ramosissima	Nt A-GRASS	Slender Three-Awn
ARISEH†	6	Aristolochia serpentaria var hastata◀	Nt P-FORB	Virginia Snakeroot
ARISES†	6	Aristolochia serpentaria var serpentaria◀	Nt P-FORB	Virginia Snakeroot
ARITOM	7	Aristolochia tomentosa	Nt W-VINE	Pipe-Vine
ARMRUS	*	ARMORACIA RUSTICANA	Ad P-FORB	Horse Radish
ARNATR	4	Arnoglossum atriplicifolium	Nt P-FORB	Pale Indian Plantain
ARNPLA	8	Arnoglossum plantagineum	Nt P-FORB	Prairie Indian Plantain
ARNREN	8	Arnoglossum reniforme	Nt P-FORB	Great Indian Plantain
AROMEL	10	Aronia melanocarpa	Nt SHRUB	Black Chokeberry
ARRELA	*	ARRHENATHERUM ELATIUS	Ad P-GRASS	Tall Oat Grass
ARTABS	*	ARTEMISIA ABSINTHIUM	Ad P-FORB	Common Wormwood
ARTANN	*	ARTEMISIA ANNUA	Ad A-FORB	Sweet Wormwood
ARTBIE	*	ARTEMISIA BIENNIS	Ad B-FORB	Biennial Wormwood
ARTCAM	5	Artemisia campestris subsp caudata	Nt B-FORB	Beach Wormwood
ARTCAR	*	ARTEMISIA CARRUTHII	Ad P-FORB	Kansas Mugwort
ARTDRA	8	Artemisia dracunculus	Nt P-FORB	Tarragon
ARTFRI	*	ARTEMISIA FRIGIDA	Ad SHRUB	Prairie Sagebrush
ARTLUL†	3	Artemisia ludoviciana var ludoviciana	Nt P-FORB	White Sage
ARTLUM†	3	Artemisia ludoviciana var mexicana	Nt P-FORB	Mexican White Sage
ARTSTE	*	ARTEMISIA STELLARIANA	Ad P-FORB	Dusty Miller
ARTVUL	*	ARTEMISIA VULGARIS	Ad P-FORB	Mugwort
ARTHIS	*	ARTHRAXON HISPIDUS	Ad A-GRASS	Small Carpgrass
ARUITA	*	ARUM ITALICUM	Ad P-FORB	Italian Arum
ARUDIO	6	Aruncus dioicus var pubescens	Nt P-FORB	Goat's Beard
ARUGIG	7	Arundinaria gigantea	Nt P-GRASS	Cane
ARUDON	*	ARUNDO DONAX	Ad P-GRASS	Giant Reed
ASACAN	6	Asarum canadense	Nt P-FORB	Wild Ginger

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ASCAMP	7	Asclepias amplexicaulis	Nt P-FORB	Sand Milkweed
ASCEXA	10	Asclepias exaltata	Nt P-FORB	Poke Milkweed
ASCHIR	4	Asclepias hirtella	Nt P-FORB	Tall Green Milkweed
ASCINC	4	Asclepias incarnata	Nt P-FORB	Swamp Milkweed
ASCMEA	10	Asclepias meadii	Nt P-FORB	Mead's Milkweed
ASCPER	9	Asclepias perennis	Nt P-FORB	White Milkweed
ASCPUR	6	Asclepias purpurascens	Nt P-FORB	Purple Milkweed
ASCQUA	6	Asclepias quadrifolia	Nt P-FORB	Four-Leaved Milkweed
ASCSPE	*	ASCLEPIAS SPECIOSA◄	Ad P-FORB	Showy Milkweed
ASCSTE	9	Asclepias stenophylla	Nt P-FORB	Glade Milkweed
ASCSUB	*	ASCLEPIAS SUBVERTICILLATA	Ad P-FORB	Poison Milkweed
ASCSUL	8	Asclepias sullivantii	Nt P-FORB	Prairie Milkweed
ASCSYR	0	Asclepias syriaca	Nt P-FORB	Common Milkweed
ASCTUB	5	Asclepias tuberosa subsp interior	Nt P-FORB	Butterfly Weed
ASCVAR	9	Asclepias variegata	Nt P-FORB	White-Flowered Milkweed
ASCVER	2	Asclepias verticillata	Nt P-FORB	Whorled Milkweed
ASCVIA†	7	Asclepias viridiflora	Nt P-FORB	Short Green Milkweed
ASCVIS†	5	Asclepias viridis	Nt P-FORB	Green-Flowered Milkweed
ASITRI	5	Asimina triloba	Nt TREE	Pawpaw
ASPOFF	*	ASPARAGUS OFFICINALIS	Ad P-FORB	Asparagus
ASPSPR	*	ASPARAGUS SPRENGERI	Ad P-FORB	Asparagus Fern
ASPEBE	10	Asplenium × ebenoides	Nt FERN	Walking Spleenwort
ASPGRA	10	Asplenium × gravesii	Nt FERN	Grave's Spleenwort
ASPBRA	10	Asplenium bradleyi	Nt FERN	Bradley's Spleenwort
ASPMON	10	Asplenium montanum	Nt FERN	Mountain Spleenwort
ASPPIN	10	Asplenium pinnatifidum	Nt FERN	Lobed Spleenwort
ASPPLA	4	Asplenium platyneuron	Nt FERN	Ebony Spleenwort
ASPRES	9	Asplenium resiliens	Nt FERN	Black Spleenwort
ASPRHI	7	Asplenium rhizophyllum	Nt FERN	Walking Fern
ASPRUT	10	Asplenium ruta-muraria	Nt FERN	Wall-Rue Spleenwort
ASPTRI	9	Asplenium trichomanes	Nt FERN	Maidenhair Spleenwort
ASTTAT	*	ASTER TATARICUS	Ad P-FORB	Tatarian Aster
ASTCAN	6	Astragalus canadensis	Nt P-FORB	Canadian Milk Vetch
ASTCRC†	10	Astragalus crassicarpus var crassicarpus	Nt P-FORB	Indian Pea
ASTCRT†	7	Astragalus crassicarpus var trichocalyx	Nt P-FORB	Ground Plum
ASTDIS	6	Astragalus distortus	Nt P-FORB	Bent Milk Vetch
ASTLOT	10	Astragalus lotiflorus	Nt P-FORB	Low Milk Vetch
ASTCIL	7	Astranthium ciliatum	Nt A-FORB	Western Daisy
ATHFIL	8	Athyrium filix-femina	Nt FERN	Lady Fern

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ATOARM	*	ATOCION ARMERIA	Ad A-FORB	Sweet William Catchfly
ATRARG	*	ATRIPLEX ARGENTEA	Ad A-FORB	Silver Orach
ATRHOR	*	ATRIPLEX HORTENSIS	Ad A-FORB	Garden Orach
ATRMIC	*	ATRIPLEX MICRANTHA	Ad A-FORB	Russian Orach
ATRPAT	*	ATRIPLEX PATULA	Ad A-FORB	Common Orach
ATRPRO	*	ATRIPLEX PROSTRATA	Ad A-FORB	Arrow-Leaved Orach
ATRROS	*	ATRIPLEX ROSEA	Ad A-FORB	Red Orach
ATRTRU	*	ATRIPLEX TRUNCATA	Ad A-FORB	Silver Scale
ATRWRI	*	ATRIPLEX WRIGHTII	Ad A-FORB	Wright's Saltbush
AUBDEL	*	AUBRIETA DELTOIDEA	Ad P-FORB	Purple Alyssum
AURFLC†	8	Aureolaria flava var calycosa◄	Nt P-FORB	Smooth False Foxglove
AURFLF†	8	Aureolaria flava var flava◄	Nt P-FORB	Smooth False Foxglove
AURGRP†	6	Aureolaria grandiflora var pulchra	Nt P-FORB	Yellow False Foxglove
AURGRS†	6	Aureolaria grandiflora var serrata	Nt P-FORB	Big-Flowered Gerardia
AURPEC	7	Aureolaria pectinata	Nt A-FORB	Clammy False Foxglove
AVEFAF†	*	AVENA FATUA var FATUA	Ad A-GRASS	Wild Oats
AVEFAS†	*	AVENA FATUA var SATIVA	Ad A-GRASS	Oats
AXYAMA	*	AXYRIS AMARANTHOIDES	Ad A-FORB	Russian Pigweed
AZOCAR	8	Azolla caroliniana	Nt FERN	Eastern Water Fern
AZOMEX	8	Azolla mexicana	Nt FERN	Water Fern
BACWRI	*	BACCHARIS WRIGHTII	Ad SHRUB	Wright's False Willow
BACROT	6	Bacopa rotundifolia	Nt P-FORB	Water Hyssop
BAPALB	6	Baptisia alba var macrophylla	Nt P-FORB	White Wild Indigo
BAPAUS	8	Baptisia australis var minor	Nt P-FORB	Blue Wild Indigo
BAPBRA	7	Baptisia bracteata var leucophaea	Nt P-FORB	Cream Wild Indigo
BAPSPH	*	BAPTISIA SPHAEROCARPA◄	Ad P-FORB	Yellow Wild Indigo
BARVER	*	BARBAREA VERNA	Ad B-FORB	Early Wintercress
BARVUL	*	BARBAREA VULGARIS	Ad B-FORB	Yellow Rocket
BARPAN	10	Bartonia paniculata	Nt A-FORB	Screwstem
BARVIR	10	Bartonia virginica	Nt A-FORB	Yellow Screwstem
BELCHI	*	BELAMCANDA CHINENSIS	Ad P-FORB	Blackberry Lily
BERCAN	10	Berberis canadensis	Nt SHRUB	American Barberry
BERTHU	*	BERBERIS THUNBERGII	Ad SHRUB	Japanese Barberry
BERVUL	*	BERBERIS VULGARIS	Ad SHRUB	European Barberry
BERSCA	6	Berchemia scandens	Nt W-VINE	Supple Jack
BERGTE†	7	Bergia texana	Nt A-FORB	Bergia
BERLTE†	5	Berlandiera texana	Nt P-FORB	Green Eyes
BERINC	*	BERTEROA INCANA	Ad A-FORB	Hoary Alyssum
BERERE	10	Berula erecta	Nt P-FORB	Fen Water Parsnip

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
BETVUL	*	BETA VULGARIS	Ad B-FORB	Beta
BETNIG	4	Betula nigra	Nt TREE	River Birch
BIDALB	*	BIDENS ALBA var RADIATA	Ad A-FORB	Romerillo
BIDARI	1	Bidens aristosa◄	Nt A-FORB	Swamp Marigold
BIDBEC	10	Bidens beckii	Nt P-FORB	Water Marigold
BIDBIP	*	BIDENS BIPINNATA	Ad A-FORB	Spanish Needles
BIDCER	5	Bidens cernua	Nt A-FORB	Nodding Bur Marigold
BIDCOM	3	Bidens comosa◄	Nt A-FORB	Swamp Tickseed
BIDCON	3	Bidens connata◄	Nt A-FORB	Purple-Stemmed Tickseed
BIDDIS	8	Bidens discoidea	Nt A-FORB	Swamp Beggar's Ticks
BIDFRO	2	Bidens frondosa	Nt A-FORB	Common Beggar's Ticks
BIDLAE	10	Bidens laevis	Nt A-FORB	Smooth Beggar's Ticks
BIDPOL	1	Bidens polylepis◄	Nt A-FORB	Bur Marigold
BIDTRI	*	BIDENS TRICHOSPERMA	Ad A-FORB	Tall Swamp Marigold
BIDVUL	1	Bidens vulgata	Nt A-FORB	Tall Beggar's Ticks
BIGCAP	6	Bignonia capreolata	Nt W-VINE	Cross-Vine
BLECIL	6	Blephilia ciliata	Nt P-FORB	Ohio Horse Mint
BLEHIR	7	Blephilia hirsuta	Nt P-FORB	Wood Mint
BOECAN	4	Boechera canadensis	Nt B-FORB	Sickle Pod
BOELAE	6	Boechera laevigata	Nt B-FORB	Smooth Bank Cress
BOEMIS	5	Boechera missouriensis	Nt B-FORB	Missouri Rock Cress
BOESHO	6	Boechera shortii	Nt B-FORB	Toothed Cress
BOECYL	4	Boehmeria cylindrica	Nt P-FORB	False Nettle
BOEERE	*	BOERHAAVIA ERECTA	Ad A-FORB	Spiderling
BOLFLU	6	Bolboschoenus fluviatilis	Nt P-SEDGE	River Bulrush
BOLMAR	10	Bolboschoenus maritimus subsp paludosus	Nt P-SEDGE	Alkali Bulrush
BOLAST	4	Boltonia asteroides	Nt P-FORB	False Aster
BOLDEC	8	Boltonia decurrens	Nt P-FORB	Decurrent False Aster
BOLDIF	7	Boltonia diffusa	Nt P-FORB	Doll's Daisy
BOTBLA	*	BOTHRIOCHLOA BLADHII	Ad P-GRASS	Caucasian Bluestem
BOTISC	*	BOTHRIOCHLOA ISCHAEMUM	Ad P-GRASS	Yellow Bluestem
BOTLAG	0	Bothriochloa laguroides subsp torreyana	Nt P-GRASS	Silver Beard Grass
BOTBIT	10	Botrychium biternatum	Nt FERN	Grape Fern
BOTDIS	5	Botrychium dissectum	Nt FERN	Cut-Leaved Grape Fern
BOTVIR	4	Botrychium virginianum	Nt FERN	Rattlesnake Fern
BOUCUR	7	Bouteloua curtipendula	Nt P-GRASS	Side-Oats Grama
BOUGRA	8	Bouteloua gracilis	Nt P-GRASS	Blue Grama
BOUHIR	10	Bouteloua hirsuta	Nt P-GRASS	Hairy Grama
BRAERU	*	BRACHIARIA ERUCIFORMIS	Ad A-GRASS	Signal Grass

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
BRAERE	5	Brachyelytrum erectum	Nt P-GRASS	Long-Awned Wood Grass
BRAPIL	3	Bradburia pilosa	Nt A-FORB	Soft-Golden Aster
BRASCH	2	Brasenia schreberi	Nt P-FORB	Water Shield
BRAJUN	*	BRASSICA JUNCEA	Ad A-FORB	Indian Mustard
BRANAP	*	BRASSICA NAPUS	Ad A-FORB	Turnip
BRANIG	*	BRASSICA NIGRA	Ad A-FORB	Black Mustard
BRARAP	*	BRASSICA RAPA	Ad A-FORB	Field Mustard
BRIEUE†	6	Brickellia eupatorioides var eupatorioides	Nt P-FORB	False Boneset
BRIEUT†	7	Brickellia eupatorioides var texana	Nt P-FORB	Ozark False Boneset
BRIGRA	10	Brickellia grandiflora	Nt P-FORB	Tassel Flower
BROCOM	*	BROMUS COMMUTATUS	Ad A-GRASS	Hairy Chess
BRODIA	*	BROMUS DIANDRUS	Ad A-GRASS	Ribgut Grass
BROHOR	*	BROMUS HORDACEUS	Ad A-GRASS	Soft Chess
BROINE	*	BROMUS INERMIS	Ad P-GRASS	Smooth Brome
BROJAP	*	BROMUS JAPONICUS	Ad A-GRASS	Japanese Chess
BROLAT	7	Bromus latiglumis	Nt P-GRASS	Ear-Leaved Brome
BRONOT	8	Bromus nottowayanus	Nt P-GRASS	Nottoway Brome
BROPUB	5	Bromus pubescens	Nt P-GRASS	Woodland Brome
BRORAC	*	BROMUS RACEMOSUS	Ad A-GRASS	Smooth Chess
BROSEC	*	BROMUS SECALINUS	Ad A-GRASS	Chess
BROSQU	*	BROMUS SQUARROSUS	Ad P-GRASS	Nodding Brome
BROSTE	*	BROMUS STERILIS	Ad A-GRASS	Poverty Brome
BROTEC	*	BROMUS TECTORUM	Ad A-GRASS	Downy Brome
BROWIL	*	BROMUS WILLDENOWII	Ad A-GRASS	Rescue Grass
BROPAP	*	BROUSSONETIA PAPYRIFERA	Ad TREE	Paper Mulberry
BRUMAC	*	BRUNNERA MACROPHYLLA	Ad P-FORB	Siberian Bugloss
BRUOVA	4	Brunnichia ovata	Nt W-VINE	Ladies' Eardrops
BUCDAC	5	Buchloe dactyloides	Nt P-GRASS	Buffalo Grass
BUCAME	10	Buchnera americana	Nt P-FORB	Blue Hearts
BUDDAV	*	BUDDLEJA DAVIDII	Ad SHRUB	Butterfly Bush
BUGARV	*	BUGLOSSOIDES ARVENSE	Ad A-FORB	Corn Gromwell
BULCAP	4	Bulbostylis capillaris	Nt A-SEDGE	Hair Sedge
BUPROT	*	BUPLEURUM ROTUNDIFOLIUM	Ad A-FORB	Hare's Ear
CABCAR	8	Cabomba caroliniana	Nt P-FORB	Fanwort
CALCAN	6	Calamagrostis canadensis	Nt P-GRASS	Blue Joint Grass
CALPOR	10	Calamagrostis porteri subsp insperata	Nt P-GRASS	Reed Bent Grass
CALSTR	8	Calamagrostis stricta subsp inexpansa	Nt P-GRASS	Bog Reed Grass
CALLON	*	CALAMOVILFA LONGIFOLIA◄	Ad P-GRASS	Sand Reed
CALAME	10	Callicarpa americana	Nt SHRUB	American Beauty Berry

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CALDIC	*	CALLICARPA DICHOTOMA	Ad SHRUB	Chinese Beauty Berry
CALALC	6	Callirhoe alcaeoides	Nt P-FORB	Pink Poppy Mallow
CALBUS	9	Callirhoe bushii	Nt P-FORB	Bush's Poppy Mallow
CALDIG	8	Callirhoe digitata	Nt P-FORB	Fringed Poppy Mallow
CALINV	5	Callirhoe involucrata	Nt P-FORB	Purple Poppy Mallow
CALTRI	10	Callirhoe triangulata	Nt P-FORB	Clustered Poppy Mallow
CALHET	6	Callitriche heterophylla	Nt A-FORB	Large Water Starwort
CALLPA†	9	Callitriche palustris	Nt A-FORB	Common Water Starwort
CALTER	3	Callitriche terrestris	Nt A-FORB	Terrestrial Starwort
CALOKL	10	Calopogon oklahomensis	Nt P-FORB	Prairie Grass Pink
CALTUB	10	Calopogon tuberosus	Nt P-FORB	Grass Pink
CALTPA†	10	Caltha palustris	Nt P-FORB	Marsh Marigold
CALFLO	*	CALYCANTHUS FLORIDUS	Ad SHRUB	Carolina Allspice
CALLYO	7	Calycocarpum lyonii	Nt W-VINE	Cupseed
CALSER	4	Calylophus serrulatus	Nt P-FORB	Toothed Evening Primrose
CALMAC	5	Calystegia macounii	Nt P-FORB	Macoun's Bindweed
CALPUB	*	CALYSTEGIA PUBESCENS	Ad P-FORB	Japanese Bindweed
CALSEP	1	Calystegia sepium	Nt P-FORB	Hedge Bindweed
CALSIL	1	Calystegia silvatica subsp fraterniflora	Nt P-FORB	Shortstalk Bindweed
CALSPI	9	Calystegia spithamaea	Nt P-FORB	Low Bindweed
CAMANG	10	Camassia angusta	Nt P-FORB	Prairie Hyacinth
CAMSCI	6	Camassia scilloides	Nt P-FORB	Wild Hyacinth
CAMMIC	*	CAMELINA MICROCARPA	Ad A-FORB	Small-Fruited False Flax
CAMSAT	*	CAMELINA SATIVA	Ad A-FORB	False Flax
CAMAME	4	Campanula americana	Nt A-FORB	Tall Bellflower
CAMAPA	10	Campanula aparinoides	Nt P-FORB	Marsh Bellflower
CAMRAP	*	CAMPANULA RAPUNCULOIDES	Ad P-FORB	European Bellflower
CAMROT	10	Campanula rotundifolia	Nt P-FORB	Harebell
CAMRAD	3	Campsis radicans	Nt W-VINE	Trumpet Creeper
CANENS	*	CANAVALIA ENSIFORMIS	Ad A-FORB	Jack Bean
CANSAT	*	CANNABIS SATIVA	Ad A-FORB	Hemp
CAPBUR	*	CAPSELLA BURSA-PASTORIS	Ad A-FORB	Shepherd's Purse
CAPANN	*	CAPSICUM ANNUUM	Ad A-FORB	Cayenne Pepper
CARBUL	7	Cardamine bulbosa	Nt P-FORB	Bulbous Cress
CARCON	4	Cardamine concatenata	Nt P-FORB	Toothwort
CARDIP	10	Cardamine diphylla	Nt P-FORB	Crinkleroot
CARDOU	9	Cardamine douglasii	Nt P-FORB	Purple Spring Cress
CARFLE	*	CARDAMINE FLEXUOSA	Ad B-FORB	Woodland Bitter Cress
CARHIR	*	CARDAMINE HIRSUTA	Ad A-FORB	Hairy Bitter Cress

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CARPAR	3	Cardamine parviflora var arenicola	Nt A-FORB	Small-Flowered Bitter Cress
CARPEN	6	Cardamine pensylvanica	Nt B-FORB	Pennsylvania Bitter Cress
CARHAL	*	CARDIOSPERMUM HALICACABUM	Ad A-FORB	Balloon Vine
CARCRI	*	CARDUUS CRISPUS	Ad B-FORB	Welted Thistle
CARNUT	*	CARDUUS NUTANS	Ad B-FORB	Musk Thistle
CXDEAM†	8	Carex × deamii	Nt P-SEDGE	Deam's Sedge
CXSUBI†	10	Carex × subimpressa	Nt P-SEDGE	Impressed Sedge
CXABSC†	10	Carex abscondita	Nt P-SEDGE	Thicket Sedge
CXAGGR†	4	Carex aggregata	Nt P-SEDGE	Glomerate Sedge
CXALAT†	9	Carex alata	Nt P-SEDGE	Winged Sedge
CXALBB†	6	Carex albicans var albicans	Nt P-SEDGE	Bellows-Beaked Sedge
CXALBS†	6	Carex albicans var australis	Nt P-SEDGE	White-Tinged Sedge
CXALBO†	9	Carex albolutescens	Nt P-SEDGE	Greenish-White Sedge
CXALBU†	9	Carex albursina	Nt P-SEDGE	White Bear Sedge
CXAMPH†	3	Carex amphibola	Nt P-SEDGE	Narrow-Leaved Sedge
CXANNA†	4	Carex annectens var annectens	Nt P-SEDGE	Yellow-Fruited Sedge
CXANNX†	4	Carex annectens var xanthocarpa	Nt P-SEDGE	Yellow-Fruited Sedge
CXAQUA†	10	Carex aquatilis	Nt P-SEDGE	Water Sedge
CXARKA†	8	Carex arkansana	Nt P-SEDGE	Arkansas Sedge
CXATHE†	10	Carex atherodes	Nt P-SEDGE	Slough Sedge
CXATLA†	10	Carex atlantica	Nt P-SEDGE	Prickly Bog Sedge
CXAURE†	5	Carex aureolensis◀	Nt P-SEDGE	Splendid Sedge
CXAUST†	5	Carex austrina	Nt P-SEDGE	Southern Sedge
CXBICK†	8	Carex bicknellii	Nt P-SEDGE	Bicknell's Sedge
CXBLAN†	2	Carex blanda	Nt P-SEDGE	Common Wood Sedge
CXBREV†	4	Carex brevior	Nt P-SEDGE	Short-Beaked Sedge
CXBROM†	10	Carex bromoides	Nt P-SEDGE	Brome-Like Sedge
CXBUSH†	4	Carex bushii	Nt P-SEDGE	Bush's Sedge
CXBUXB†	10	Carex buxbaumii	Nt P-SEDGE	Brown Bog Sedge
CXCARY†	9	Carex careyana	Nt P-SEDGE	Carey's Sedge
CXCARO†	7	Carex caroliniana	Nt P-SEDGE	Carolina Sedge
CXCEPH†	5	Carex cephalophora	Nt P-SEDGE	Woodbank Sedge
CXCHER†	7	Carex cherokeensis	Nt P-SEDGE	Cherokee Sedge
CXCOMM†	10	Carex communis	Nt P-SEDGE	Fibrous-Rooted Sedge
CXCOMO†	9	Carex comosa	Nt P-SEDGE	Bristly Sedge
CXCOMP†	9	Carex complanata	Nt P-SEDGE	Hirsute Sedge
CXCONJ†	5	Carex conjuncta	Nt P-SEDGE	Soft Fox Sedge
CXCONO†	10	Carex conoidea	Nt P-SEDGE	Field Sedge
CXCORR†	8	Carex corrugata	Nt P-SEDGE	Prune-Fruit Sedge

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CXCRAE†	10	Carex crawei	Nt P-SEDGE	Crawe's Sedge
CXCRAF†	*	CAREX CRAWFORDII	Ad P-SEDGE	Crawford's Sedge
CXCRIN†	7	Carex crinita	Nt P-SEDGE	Fringed Sedge
CXCRIS†	4	Carex cristatella	Nt P-SEDGE	Crested Sedge
CXCRUS†	6	Carex crus-corvi	Nt P-SEDGE	Raven's Foot Sedge
CXCUMB†	10	Carex cumberlandensis◄	Nt P-SEDGE	Cumberland Sedge
CXDAVI†	3	Carex davisii	Nt P-SEDGE	Davis' Sedge
CXDEBI†	10	Carex debilis	Nt P-SEDGE	White-Edged Sedge
CXDECO†	10	Carex decomposita	Nt P-SEDGE	Epiphytic Sedge
CXDIGI†	7	Carex digitalis	Nt P-SEDGE	Narrow-Leaved Wood Sedge
CXDOUG†	*	CAREX DOUGLASII	Ad P-SEDGE	Douglas' Sedge
CXEBUR†	7	Carex eburnea	Nt P-SEDGE	Bristle-Leaved Sedge
CXELEO†	*	CAREX ELEOCHARIS	Ad P-SEDGE	Needleleaf Sedge
CXEMOR†	6	Carex emoryi	Nt P-SEDGE	Emory's Sedge
CXFEST†	5	Carex festucacea	Nt P-SEDGE	Fescue Sedge
CXFISS†	6	Carex fissa	Nt P-SEDGE	Swale Sedge
CXFLAC†	8	Carex flaccosperma	Nt P-SEDGE	Thin-Fruited Sedge
CXFRAN†	2	Carex frankii◄	Nt P-SEDGE	Frank's Sedge
CXGIGA†	9	Carex gigantea	Nt P-SEDGE	Large Sedge
CXGLAU†	4	Carex glaucodea	Nt P-SEDGE	Blue Sedge
CXGRAS†	7	Carex gracilescens	Nt P-SEDGE	Slender Wood Sedge
CXGRAA†	10	Carex gracillima	Nt P-SEDGE	Graceful Sedge
CXGRAN†	4	Carex granularis	Nt P-SEDGE	Meadow Sedge
CXGRAV†	5	Carex gravida	Nt P-SEDGE	Heavy Sedge
CXGRAY†	7	Carex grayii	Nt P-SEDGE	Bur Sedge
CXGRIS†	4	Carex grisea	Nt P-SEDGE	Gray Sedge
CXHAYD†	9	Carex haydenii	Nt P-SEDGE	Cloud Sedge
CXHIRS†	4	Carex hirsutella	Nt P-SEDGE	Fuzzy Wuzzy Sedge
CXHIRT†	7	Carex hirtifolia	Nt P-SEDGE	Hairy Sedge
CXHITC†	9	Carex hitchcockiana	Nt P-SEDGE	Hitchcock's Sedge
CXHYAL†	6	Carex hyalinolepis	Nt P-SEDGE	Shoreline Sedge
CXHYST†	7	Carex hystericina	Nt P-SEDGE	Bottlebrush Sedge
CXINOP†	6	Carex inops subsp heliophila	Nt P-SEDGE	Sun Sedge
CXINTE†	10	Carex interior	Nt P-SEDGE	Interior Sedge
CXINTU†	7	Carex intumescens	Nt P-SEDGE	Swollen Sedge
CXJAME†	4	Carex jamesii	Nt P-SEDGE	Grass Sedge
CXJOOR†	10	Carex joorii	Nt P-SEDGE	Cypress Swamp Sedge
CXLACU†	10	Carex lacustris	Nt P-SEDGE	Lake Bank Sedge
CXLAEC†	9	Carex laeviconica	Nt P-SEDGE	Smooth Cone Sedge

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CXLAEV†	10	Carex laevivaginata	Nt P-SEDGE	Smooth-Sheath Sedge
CXLAXC†	10	Carex laxiculmis var copulata◄	Nt P-SEDGE	Spreading Sedge
CXLAXL†	10	Carex laxiculmis var laxiculmis◄	Nt P-SEDGE	Spreading Sedge
CXLAXF†	10	Carex laxiflora	Nt P-SEDGE	Beechwood Sedge
CXLEAV†	3	Carex leavenworthii	Nt P-SEDGE	Leavenworth's Sedge
CXLEPT†	10	Carex leptalea	Nt P-SEDGE	Bristle-Stalked Sedge
CXLONG†	10	Carex longii	Nt P-SEDGE	Long's Sedge
CXLOUI†	8	Carex louisianica	Nt P-SEDGE	Louisiana Sedge
CXLUPF†	9	Carex lupuliformis	Nt P-SEDGE	Knobbed Hop Sedge
CXLUPL†	6	Carex lupulina	Nt P-SEDGE	Common Hop Sedge
CXLURI†	6	Carex lurida	Nt P-SEDGE	Sallow Sedge
CXMEAD†	6	Carex meadii	Nt P-SEDGE	Mead's Sedge
CXMESO†	3	Carex mesochorea	Nt P-SEDGE	Oval-Headed Sedge
CXMICR†	10	Carex microdonta	Nt P-SEDGE	Little Tooth Sedge
CXMISS†	8	Carex missouriensis◄	Nt P-SEDGE	Missouri Sedge
CXMOLA†	3	Carex molesta	Nt P-SEDGE	Troublesome Sedge
CXMOLI†	4	Carex molestiformis	Nt P-SEDGE	Frightful Sedge
CXMUHE†	8	Carex muehlenbergii var enervis	Nt P-SEDGE	Sand Sedge
CXMUHM†	5	Carex muehlenbergii var muehlenbergii	Nt P-SEDGE	Sand Sedge
CXMUSK†	9	Carex muskingumensis	Nt P-SEDGE	Swamp Sedge
CXNEBR†	*	CAREX NEBRASCENSIS	Ad P-SEDGE	Nebraska Sedge
CXNIGF†	7	Carex nigromarginata var floridana	Nt P-SEDGE	Black-Edged Sedge
CXNIGN†	7	Carex nigromarginata var nigromarginata	Nt P-SEDGE	Black-Edged Sedge
CXNORM†	4	Carex normalis	Nt P-SEDGE	Larger Straw Sedge
CXOKLA†	8	Carex oklahomensis	Nt P-SEDGE	Oklahoma Sedge
CXOLIG†	6	Carex oligocarpa	Nt P-SEDGE	Few-Fruited Sedge
CXOPAC†	9	Carex opaca	Nt P-SEDGE	Prairie Sedge
CXOXYL†	10	Carex oxylepis	Nt P-SEDGE	Sharp-Scaled Sedge
CXPELL†	5	Carex pellita	Nt P-SEDGE	Woolly Sedge
CXPENS†	6	Carex pensylvanica	Nt P-SEDGE	Pennsylvania Sedge
CXPLAN†	8	Carex planispicata	Nt P-SEDGE	Flat-Spiked Sedge
CXPRAE†	*	CAREX PRAEGRACILIS	Ad P-SEDGE	Tollway Sedge
CXPRAS†	8	Carex prasina	Nt P-SEDGE	Leek Sedge
CXRADI†	5	Carex radiata	Nt P-SEDGE	Eastern Star Sedge
CXRENE†	10	Carex reniformis	Nt P-SEDGE	Kidney-Fruited Sedge
CXRETR†	4	Carex retroflexa	Nt P-SEDGE	Reflexed Sedge
CXREZN†	10	Carex reznicekii◄	Nt P-SEDGE	Tony's Sedge
CXROSE†	6	Carex rosea	Nt P-SEDGE	Stellate Sedge
CXSART†	10	Carex sartwellii	Nt P-SEDGE	Sartwell's Sedge

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CXSCAB†	10	Carex scabrata	Nt P-SEDGE	Rough Sedge
CXSCHW†	10	Carex schweinitzii	Nt P-SEDGE	Schweinitz's Sedge
CXSCOP†	5	Carex scoparia	Nt P-SEDGE	Pointed Broom Sedge
CXSHOR†	4	Carex shortiana	Nt P-SEDGE	Short's Sedge
CXSOCI†	10	Carex socialis	Nt P-SEDGE	Cespitose Sedge
CXSPAR†	5	Carex sparganioides	Nt P-SEDGE	Bur-Reed Sedge
CXSPRE†	10	Carex sprengelii	Nt P-SEDGE	Long-Beaked Sdge
CXSQUA†	6	Carex squarrosa	Nt P-SEDGE	Squarrose Sedge
CXSTER†	10	Carex sterilis	Nt P-SEDGE	Dioecious Sedge
CXSTIP†	4	Carex stipata	Nt P-SEDGE	Sawbeak Sedge
CXSTRA†	10	Carex straminea	Nt P-SEDGE	Straw Sedge
CXSTRI†	10	Carex stricta	Nt P-SEDGE	Tussock Sedge
CXSUBE†	9	Carex suberecta	Nt P-SEDGE	Prairie Straw Sedge
CXSWAN†	7	Carex swanii	Nt P-SEDGE	Savanna Sedge
CXSYCN†	10	Carex sychnocephala	Nt P-SEDGE	Many-Headed Sedge
CXTENE†	10	Carex tenera	Nt P-SEDGE	Slender Sedge
CXTETA†	10	Carex tetanica	Nt P-SEDGE	Rigid Sedge
CXTEXE†	3	Carex texensis	Nt P-SEDGE	Texas Sedge
CXTIMI†	9	Carex timida◄	Nt P-SEDGE	Timid Sedge
CXTONR†	6	Carex tonsa var rugosperma	Nt P-SEDGE	Wrinkle-Seeded Oak Sedge
CXTONT†	10	Carex tonsa var tonsa	Nt P-SEDGE	Smooth-Fruited Oak Sedge
CXTORT†	9	Carex torta	Nt P-SEDGE	Twisted Sedge
CXTRIA†	9	Carex triangularis	Nt P-SEDGE	Triangular Sedge
CXTRIS†	3	Carex tribuloides var sangamonensis◄	Nt P-SEDGE	Awl-Fruited Oval Sedge
CXTRIT†	3	Carex tribuloides var tribuloides◄	Nt P-SEDGE	Awl-Fruited Oval Sedge
CXTRIC†	10	Carex trichocarpa	Nt P-SEDGE	Hairy-Fruited Sedge
CXTYPH†	7	Carex typhina	Nt P-SEDGE	Cat-Tail Sedge
CXUMBE†	6	Carex umbellata	Nt P-SEDGE	Umbel-Like Sedge
CXVESI†	9	Carex vesicaria var monile	Nt P-SEDGE	Inflated Sedge
CXVIRE†	7	Carex virescens	Nt P-SEDGE	Ribbed Sedge
CXVULP†	3	Carex vulpinoidea	Nt P-SEDGE	Fox Sedge
CXWILL†	10	Carex willdenowii	Nt P-SEDGE	Willdenow's Sedge
CXWOOD†	10	Carex woodii	Nt P-SEDGE	Pretty Sedge
CARPCA†	6	Carpinus caroliniana	Nt TREE	Blue Beech
CARUCA†	*	CARUM CARVI	Ad B-FORB	Caraway
CARAQU	9	Carya aquatica	Nt TREE	Water Hickory
CARCOR	5	Carya cordiformis	Nt TREE	Bitternut Hickory
CARGLA	6	Carya glabra◄	Nt TREE	Pignut Hickory
CARILL	7	Carya illinoinensis	Nt TREE	Pecan

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CARLAC	7	Carya laciniosa	Nt TREE	Big Shellbark Hickory
CAROVL†	6	Carya ovalis◄	Nt TREE	Red Hickory
CAROVT†	4	Carya ovata	Nt TREE	Shagbark Hickory
CARPAL	8	Carya pallida	Nt TREE	Sand Hickory
CARTEX	5	Carya texana	Nt TREE	Black Hickory
CARTOM	5	Carya tomentosa	Nt TREE	Mockernut Hickory
CASDEN	*	CASTANEA DENTATA	Ad TREE	Chestnut
CASMOL	*	CASTANEA MOLLISSIMA	Ad TREE	Chinese Chestnut
CASPUO†	10	Castanea pumila var ozarkensis	Nt TREE	Ozark Chinquapin
CASPUP†	10	Castanea pumila var pumila	Nt TREE	Chinquapin
CASCOC	6	Castilleja coccinea	Nt A-FORB	Indian Paintbrush
CASPUR	10	Castilleja purpurea	Nt P-FORB	Purple Paintbrush
CASSES	10	Castilleja sessiliflora	Nt P-FORB	Downy Yellow Painted Cup
CATBIG	*	CATALPA BIGNONIOIDES	Ad TREE	Catalpa
CATOVA	*	CATALPA OVATA	Ad TREE	Chinese Catalpa
CATSPE	2	Catalpa speciosa	Nt TREE	Hardy Catalpa
CAUTHA	8	Caulophyllum thalictroides	Nt P-FORB	Blue Cohosh
CAYQUI	10	Cayaponia quinqueloba	Nt P-FORB	Silva Manso
CEAAME	7	Ceanothus americanus	Nt SHRUB	New Jersey Tea
CEAHER	8	Ceanothus herbaceus	Nt SHRUB	Inland New Jersey Tea
CELORB	*	CELASTRUS ORBICULATUS	Ad W-VINE	Oriental Bittersweet
CELSCA	3	Celastrus scandens	Nt W-VINE	Climbing Bittersweet
CELARG	*	CELOSIA ARGENTEA	Ad A-FORB	Cock's Comb
CELLAE	4	Celtis laevigata	Nt TREE	Sugarberry
CELOCC	3	Celtis occidentalis	Nt TREE	Hackberry
CELPUM	6	Celtis pumila	Nt TREE	Dwarf Hackberry
CENCIL	*	CENCHRUS CILIARIS	Ad P-GRASS	Buffel Grass
CENLON	0	Cenchrus longispinus	Nt A-GRASS	Common Sandbur
CENSPI	3	Cenchrus spinifex◄	Nt A-GRASS	Prairie Sandbur
CENAME	6	Centaurea americana	Nt A-FORB	Basket Flower
CENCYA	*	CENTAUREA CYANUS	Ad A-FORB	Bachelor's Button
CENDIF	*	CENTAUREA DIFFUSA	Ad A-FORB	Spreading Star Thistle
CENDIL	*	CENTAUREA DILUTA	Ad A-FORB	Star Thistle
CENMEL	*	CENTAUREA MELITENSIS	Ad A-FORB	Malta Star Thistle
CENNIA†	*	CENTAUREA NIGRA	Ad P-FORB	Black Knapweed
CENNIS†	*	CENTAUREA NIGRESCENS	Ad P-FORB	Tyrol Knapweed
CENREP	*	CENTAUREA REPENS	Ad P-FORB	Russian Knapweed
CENSOL	*	CENTAUREA SOLSTITIALIS	Ad A-FORB	Yellow Star Thistle
CENSTO	*	CENTAUREA STOEBE subsp MICRANTHOS	Ad P-FORB	Spotted Knapweed

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CENVIR	10	Centrosema virginianum	Nt P-FORB	Spurred Butterfly Pea
CEPOCC	3	Cephalanthus occidentalis	Nt SHRUB	Buttonbush
CERARV	10	Cerastium arvense subsp strictum	Nt P-FORB	Field Chickweed
CERBRT†	*	CERASTIUM BRACHYPETALUM	Ad A-FORB	Gray Chickweed
CERBRO†	3	Cerastium brachypodum	Nt A-FORB	Short-Stalked Chickweed
CERDIF	*	CERASTIUM DIFFUSUM	Ad A-FORB	Four-Stamened Chickweed
CERDUB	*	CERASTIUM DUBIUM	Ad A-FORB	Doubtful Chickweed
CERFON	*	CERASTIUM FONTANUM subsp VULGARE	Ad P-FORB	Mouse-Ear Chickweed
CERGLO	*	CERASTIUM GLOMERATUM	Ad A-FORB	Clammy Chickweed
CERNUT	2	Cerastium nutans	Nt A-FORB	Nodding Chickweed
CERPUM	*	CERASTIUM PUMILUM	Ad A-FORB	Dwarf Chickweed
CERSEM	*	CERASTIUM SEMIDECANDRUM	Ad A-FORB	Small Mouse-Ear Chickweed
CERVEL	4	Cerastium velutinum	Nt P-FORB	Showy Field Chickweed
CERTES	*	CERATOCEPHALUS TESTICULATUS	Ad A-FORB	Bur-Buttercup
CERDEM	5	Ceratophyllum demersum	Nt P-FORB	Coontail
CERECH	9	Ceratophyllum echinatum	Nt P-FORB	Spiny Hornwort
CERPLU	*	CERATOSTIGMA PLUMBAGINOIDES	Ad P-FORB	Plumbago
CERCAN	3	Cercis canadensis	Nt TREE	Redbud
CHASPE	*	CHAENOMELES SPECIOSA	Ad SHRUB	Flowering Quince
CHAMIN	*	CHAENORRHINUM MINUS	Ad A-FORB	Small Snapdragon
CHAPRO	2	Chaerophyllum procumbens	Nt A-FORB	Wild Chervil
CHATAI	3	Chaerophyllum tainturieri	Nt A-FORB	Southern Chervil
CHAAST	10	Chaetopappa asteroides	Nt A-FORB	Least Daisy
CHAFAS	2	Chamaecrista fasciculata	Nt A-FORB	Partridge Pea
CHANIC	2	Chamaecrista nictitans	Nt A-FORB	Wild Sensitive Plant
CHALAT	4	Chasmanthium latifolium	Nt P-GRASS	Spike Grass
CHALAX	10	Chasmanthium laxum	Nt P-GRASS	Slender Spike Grass
CHASES	10	Chasmanthium sessilifolium	Nt P-GRASS	Sessile-Flowered Spike Grass
CHEALA	10	Cheilanthes alabamensis	Nt FERN	Alabama Lip-Fern
CHEFEE	8	Cheilanthes feei	Nt FERN	Slender Lip Fern
CHELAN	7	Cheilanthes lanosa	Nt FERN	Hairy Lip-Fern
CHETOM	10	Cheilanthes tomentosa	Nt FERN	Wooly-Lip-Fern
CHEMAJ	*	CHELIDONIUM MAJUS	Ad B-FORB	Celandine
CHEGLB†	8	Chelone glabra	Nt P-FORB	Turtlehead
CHEOBL	10	Chelone obliqua	Nt P-FORB	Pink Turtlehead
CHEALB	*	CHENOPODIUM ALBUM	Ad A-FORB	Lamb's Quarters
CHEAMB	*	CHENOPODIUM AMBROSIOIDES	Ad A-FORB	Mexican Tea
CHEBER	1	Chenopodium berlandieri	Nt A-FORB	Pitseed Goosefoot

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CHEBOT	*	CHENOPODIUM BOTRYS	Ad A-FORB	Jerusalem Oak
CHEBUS	2	Chenopodium bushianum	Nt A-FORB	Bush's Goosefoot
CHECAP	*	CHENOPODIUM CAPITATUM	Ad A-FORB	Strawberry Blite
CHEDES	*	CHENOPODIUM DESICCATUM	Ad A-FORB	Narrow-Leaved Goosefoot
CHEFIC	*	CHENOPODIUM FICIFOLIUM	Ad A-FORB	Fig-Leaved Goosefoot
CHEGLC†	*	CHENOPODIUM GLAUCUM	Ad A-FORB	Oak-Leaved Goosefoot
CHEINC	*	CHENOPODIUM INCANUM	Ad A-FORB	Hoary Goosefoot
CHEMIS	1	Chenopodium missouriense	Nt A-FORB	Missouri Goosefoot
CHEMUR	*	CHENOPODIUM MURALE	Ad A-FORB	Nettle-Leaved Goosefoot
CHEOPU	*	CHENOPODIUM OPULIFOLIUM	Ad A-FORB	Broad-Leaved Lamb's Quarters
CHEPAL	2	Chenopodium pallescens	Nt A-FORB	Pale Goosefoot
CHEPRA	0	Chenopodium praetericola◀	Nt A-FORB	Desert Goosefoot
CHEPUM	*	CHENOPODIUM PUMILIO	Ad A-FORB	Small Crumbweed
CHERUB	*	CHENOPODIUM RUBRUM	Ad A-FORB	Red Goosefoot
CHESIM	2	Chenopodium simplex	Nt A-FORB	Maple-Leaved Goosefoot
CHESTA	3	Chenopodium standleyanum	Nt A-FORB	Woodland Goosefoot
CHESTR	4	Chenopodium strictum var glaucophyllum	Nt A-FORB	Late Goosefoot
CHEURB	*	CHENOPODIUM URBICUM	Ad A-FORB	City Goosefoot
CHEWAT	*	CHENOPODIUM WATSONII	Ad A-FORB	Watson's Goosefoot
CHIVIR	10	Chionanthus virginicus	Nt TREE	Fringe Tree
CHLVER	0	Chloris verticillata	Nt P-GRASS	Windmill Grass
CHLVIR	*	CHLORIS VIRGATA	Ad A-GRASS	Feather Finger Grass
CHOTEN	*	CHORISPORA TENELLA	Ad A-FORB	Purple Rocket
CICINT	*	CICHORIUM INTYBUS	Ad P-FORB	Chicory
CICMAC	5	Cicuta maculata	Nt B-FORB	Water Hemlock
CINARU	7	Cinna arundinacea	Nt P-GRASS	Common Wood Reed
CIRCAD†	2	Circaea canadensis	Nt P-FORB	Enchanter's Nightshade
CIRALT	4	Cirsium altissimum	Nt P-FORB	Tall Thistle
CIRARV	*	CIRSIUM ARVENSE	Ad P-FORB	Canada Thistle
CIRCAS†	*	CIRSIUM CANESCENS	Ad B-FORB	Platte Thistle
CIRCAR	8	Cirsium carolinianum	Nt B-FORB	Carolina Thistle
CIRDIS	3	Cirsium discolor	Nt P-FORB	Field Thistle
CIRMUT	10	Cirsium muticum	Nt B-FORB	Swamp Thistle
CIRTEX	*	CIRSIUM TEXANUM	Ad P-FORB	Texas Thistle
CIRUND	5	Cirsium undulatum	Nt P-FORB	Wavy-Leaved Thistle
CIRVUL	*	CIRSIUM VULGARE	Ad B-FORB	Bull Thistle
CISTRI	10	Cissus trifoliata	Nt W-VINE	Marine Vine
CITLAN	*	CITRULLUS LANATUS	Ad A-FORB	Watermelon
CITTRI	*	CITRUS TRIFOLIATA	Ad SHRUB	Hardy Orange

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CLAMAR	*	CLADIUM MARISCUS subsp JAMAICENSE◄	Ad P-SEDGE	Sawgrass
CLAKEN	10	Cladrastis kentukea	Nt TREE	Yellow Wood
CLAPER	*	CLAYTONIA PERFOLIATA	Ad A-FORB	Miner's Lettuce
CLAVIR	3	Claytonia virginica	Nt P-FORB	Spring Beauty
CLECAT	7	Clematis catesbyana	Nt W-VINE	Satincurls
CLECRI	8	Clematis crispa	Nt W-VINE	Swamp Leather Flower
CLEFRE	10	Clematis fremontii	Nt W-VINE	Fremont's Leather Flower
CLEPIT	6	Clematis pitcheri	Nt W-VINE	Leather Flower
CLETER	*	CLEMATIS TERNIFLORA	Ad W-VINE	Sweet Autumn Clematis
CLEVER	9	Clematis versicolor	Nt W-VINE	Small Leather Flower
CLEVIO	10	Clematis viorna	Nt W-VINE	Vase Vine
CLEVIR	3	Clematis virginiana	Nt W-VINE	Virgin's Bower
CLEHAS	*	CLEOME HASSLERIANA	Ad A-FORB	Spider Flower
CLESER	2	Cleome serrulata	Nt A-FORB	Rocky Mountain Bee Plant
CLIACI	*	CLINOPODIUM ACINOS	Ad A-FORB	Mother-Of-Thyme
CLIARK	7	Clinopodium arkansanum	Nt P-FORB	Low Calamint
CLIMAR	7	Clitoria mariana	Nt P-FORB	Butterfly Pea
COCCAR	5	Cocculus carolinus	Nt W-VINE	Carolina Snailseed
COEVIR	10	Coeloglossum viride	Nt P-FORB	Frog Orchid
COECYL	9	Coelorachis cylindrica	Nt P-GRASS	Joint Grass
COLVER	7	Collinsia verna	Nt A-FORB	Blue-Eyed Mary
COLVIO	8	Collinsia violacea	Nt A-FORB	Violet Collinsia
COLCAN	9	Collinsonia canadensis	Nt P-FORB	Richweed
COLLIN	*	COLLOMIA LINEARIS	Ad A-FORB	Slender Gilia
COMUMB	7	Comandra umbellata	Nt P-FORB	False Toadflax
COMCAR	*	COMMELINA CAROLINIANA	Ad A-FORB	Carolina Dayflower
COMCOM	*	COMMELINA COMMUNIS	Ad A-FORB	Common Dayflower
COMDIF	*	COMMELINA DIFFUSA	Ad A-FORB	Creeping Dayflower
COMERE	4	Commelina erecta	Nt P-FORB	Narrow-Leaved Dayflower
COMVIR	5	Commelina virginica	Nt P-FORB	Virginia Dayflower
CONMAC	*	CONIUM MACULATUM	Ad B-FORB	Poison Hemlock
CONCOE	3	Conoclinium coelestinum	Nt P-FORB	Mistflower
CONORI	*	CONRINGIA ORIENTALIS	Ad A-FORB	Hare's Ear Mustard
CONMAJ	*	CONVALLARIA MAJALIS	Ad P-FORB	Lily Of The Valley
CONARV	*	CONVOLVULUS ARVENSIS	Ad P-FORB	Field Bindweed
CONCAC†	0	Conyza canadensis var canadensis	Nt A-FORB	Horseweed
CONCAP†	7	Conyza canadensis var pusilla	Nt A-FORB	Small Canada Fleabane
CONRAM	1	Conyza ramosissima	Nt A-FORB	Dwarf Fleabane
CORODO	6	Corallorhiza odontorhiza	Nt P-FORB	Late Coral Root

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CORWIS	7	Corallorhiza wisteriana	Nt P-FORB	Wister's Coral Root
CORGRA	6	Coreopsis grandiflora	Nt P-FORB	Large-Flowered Coreopsis
CORLAN	5	Coreopsis lanceolata	Nt P-FORB	Sand Coreopsis
CORPAL	7	Coreopsis palmata	Nt P-FORB	Prairie Coreopsis
CORPUB	7	Coreopsis pubescens	Nt P-FORB	Star Tickseed
CORTIN	1	Coreopsis tinctoria	Nt A-FORB	Golden Coreopsis
CORTRI	6	Coreopsis tripteris	Nt P-FORB	Tall Coreopsis
CORSAT	*	CORIANDRUM SATIVUM	Ad A-FORB	Coriander
CORIAM†	5	Corispermum americanum	Nt A-FORB	Small Bugseed
CORIPA†	5	Corispermum pallasii	Nt A-FORB	Common Bugseed
CORIVI†	5	Corispermum villosum	Nt A-FORB	Eastern Bugseed
CORALT	8	Cornus alternifolia	Nt TREE	Pagoda Dogwood
CORAMO	5	Cornus amomum subsp obliqua◀	Nt SHRUB	Pale Dogwood
CORDRU	2	Cornus drummondii	Nt SHRUB	Rough-Leaved Dogwood
CORFLO	5	Cornus florida	Nt TREE	Flowering Dogwood
CORFOF†	6	Cornus foemina subsp foemina◀	Nt SHRUB	Stiff Dogwood
CORFOR†	3	Cornus foemina subsp racemosa◀	Nt SHRUB	Gray Dogwood
CORAUA†	3	Corydalis aurea subsp aurea	Nt A-FORB	Golden Corydalis
CORAUO†	5	Corydalis aurea subsp occidentalis	Nt B-FORB	Golden Corydalis
CORCRY	7	Corydalis crystallina	Nt B-FORB	Mealy Corydalis
CORFLA	3	Corydalis flavula	Nt B-FORB	Pale Corydalis
CORMIA†	10	Corydalis micrantha subsp australis	Nt B-FORB	Hale's Corydalis
CORMIM†	4	Corydalis micrantha subsp micrantha	Nt B-FORB	Small-Flowered Corydalis
CORYAM†	4	Corylus americana	Nt SHRUB	American Hazelnut
COSBIP	*	COSMOS BIPINNATUS	Ad A-FORB	Common Cosmos
COSPAR	*	COSMOS PARVIFLORUS	Ad A-FORB	Small-Flowered Cosmos
COSSUL	*	COSMOS SULPHUREUS	Ad A-FORB	Sulphur Cosmos
COTTIN	*	COTA TINCTORIA	Ad P-FORB	Yellow Chamomile
COTOBO	9	Cotinus obovatus	Nt TREE	American Smoke Tree
COTACU	*	COTONEASTER ACUTIFOLIUS	Ad SHRUB	Peking Cotoneaster
CRABER	4	Crataegus berberifolia	Nt TREE	Barberry-Leaved Hawthorn
CRABIL	5	Crataegus biltmoreana	Nt TREE	Biltmore Hawthorn
CRACAL	6	Crataegus calpodendron	Nt TREE	Sugar Hawthorn
CRACOC	4	Crataegus coccinioides	Nt TREE	Kansas Hawthorn
CRACOL	4	Crataegus collina◀	Nt TREE	Hillside Hawthorn
CRACRU	3	Crataegus crus-galli	Nt TREE	Cockspur Hawthorn
CRAFEC	3	Crataegus fecunda	Nt TREE	Fruitful Hawthorn
CRAGAT	5	Crataegus gattingeri	Nt TREE	Gatinger's Hawthorn
CRALAN	6	Crataegus lanuginosa	Nt TREE	Woolly Hawthorn

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CRAMAC	4	Crataegus macracantha	Nt TREE	Largethorn Hawthorn
CRAMAG†	3	Crataegus margarettae	Nt TREE	Margarets Hawthorn
CRAMAS†	9	Crataegus marshallii	Nt TREE	Parsley Hawthorn
CRAMOL	4	Crataegus mollis	Nt TREE	Downy Hawthorn
CRANEO	5	Crataegus neobushii	Nt TREE	St Clair Hawthorn
CRAPAD	7	Crataegus padifolia	Nt TREE	Bird-Cherry Hawthorn
CRAPHA	5	Crataegus phaenopyrum	Nt TREE	Washington Thorn
CRAPRU	3	Crataegus pruinosa	Nt TREE	Frosted Hawthorn
CRAREV	4	Crataegus reverchonii	Nt TREE	Reverchon Hawthorn
CRARUB	6	Crataegus rubella	Nt TREE	Rosy Hawthorn
CRASCH	8	Crataegus schuettei	Nt TREE	Schuette Hawthorn
CRASIC	4	Crataegus sicca	Nt TREE	Smooth Hawthorn
CRASPA	9	Crataegus spathulata	Nt TREE	Littlehip Hawthorn
CRASUC	3	Crataegus succulenta	Nt TREE	Fleshy Hawthorn
CRATEX	10	Crataegus texana	Nt TREE	Texas Red Hawthorn
CRAUNI	7	Crataegus uniflora	Nt TREE	One-Flower Hawthorn
CRAVIR	5	Crataegus viridis	Nt TREE	Green Haw
CRECAP	*	CREPIS CAPILLARIS	Ad A-FORB	Hawk's Beard
CREPUL	*	CREPIS PULCHRA	Ad B-FORB	Small-Flowered Hawk's Beard
CRESET	*	CREPIS SETOSA	Ad A-FORB	Bristly Hawk's Beard
CRETEC	*	CREPIS TECTORUM	Ad A-FORB	Sand Rushfoil
CROSAG	5	Crotalaria sagittalis	Nt A-FORB	Rattlebox
CROSPE	*	CROTALARIA SPECTABILIS	Ad A-FORB	Showy Crotalaria
CROCAC†	0	Croton capitatus var capitatus	Nt A-FORB	Hogwort
CROCAL†	2	Croton capitatus var lindheimeri	Nt A-FORB	Woolly Croton
CROGLA	1	Croton glandulosus var septentrionalis	Nt A-FORB	Sand Croton
CROLIN	*	CROTON LINDHEIMERIANUS	Ad A-FORB	Lindheimer's Croton
CROMIC	8	Croton michauxii	Nt A-FORB	Slender Rushfoil
CROMON	2	Croton monanthogynus	Nt A-FORB	Prairie Tea
CROTEX	*	CROTON TEXENSIS	Ad A-FORB	Skunk Weed
CROWIL	4	Croton wildenowii	Nt A-FORB	Common Rushfoil
CRYSCH	*	CRYPSIS SCHOENOIDES	Ad A-GRASS	False Timothy
CRYCAN	2	Cryptotaenia canadensis	Nt P-FORB	Honewort
CUBCON	7	Cubelium concolor	Nt P-FORB	Green Violet
CUCMEL	*	CUCUMIS MELO	Ad A-FORB	Muskmelon
CUCSAT	*	CUCUMIS SATIVUS	Ad A-FORB	Cucumber
CUCFOE	*	CUCURBITA FOETIDISSIMA	Ad P-FORB	Missouri Gourd
CUCPOV†	*	CUCURBITA PEPO var OVIFERA	Ad A-FORB	Ornamental Gourd
CUCPOZ†	2	Cucurbita pepo var ozarkana	Nt A-FORB	Yellow-Flowered Gourd

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CUNORI	6	Cunila origanoides	Nt P-FORB	Dittany
CUPVIS	4	Cuphea viscosissima	Nt A-FORB	Waxweed
CUSCAM	4	Cuscuta campestris	Nt A-FORB	Prairie Dodder
CUSCEP	6	Cuscuta cephalanthi	Nt A-FORB	Buttonbush Dodder
CUSCOM	7	Cuscuta compacta	Nt A-FORB	Compact Dodder
CUSCOR	7	Cuscuta coryli	Nt A-FORB	Hazel Dodder
CUSCUS	5	Cuscuta cuspidata	Nt A-FORB	Cusp Dodder
CUSGLO	5	Cuscuta glomerata	Nt A-FORB	Rope Dodder
CUSGRO	3	Cuscuta gronovii	Nt A-FORB	Common Dodder
CUSIND	2	Cuscuta indecora	Nt A-FORB	Large Alfalfa Dodder
CUSOBT	8	Cuscuta obtusiflora var glandulosa	Nt P-FORB	Peruvian Dodder
CUSPEN	5	Cuscuta pentagona	Nt A-FORB	Field Dodder
CUSPOL	7	Cuscuta polygonorum	Nt A-FORB	Knotweed Dodder
CYCXAN	0	Cyclachaena xanthifolia	Nt A-FORB	Burweed Marsh Elder
CYCATR	4	Cycloloma atriplicifolium	Nt A-FORB	Winged Pigweed
CYLIMB	*	CYLINDROPUNTIA IMBRICATA	Ad SHRUB	Tree Cholla
CYMMUR	*	CYMBALARIA MURALIS	Ad P-FORB	Kenilworth Ivy
CYNLAE	0	Cynanchum laeve	Nt P-FORB	Bluevine
CYNLOU	*	CYNANCHUM LOUISEAE	Ad P-FORB	Black Swallowwort
CYNDAC	*	CYNODON DACTYLON	Ad P-GRASS	Bermuda Grass
CYNCRE	*	CYNOGLOSSUM CRETICUM	Ad A-FORB	Blue Hound's Tongue
CYNOFF	*	CYNOGLOSSUM OFFICINALE	Ad B-FORB	Common Hound's Tongue
CYNVIR	6	Cynoglossum virginianum	Nt P-FORB	Wild Comfrey
CYNDIG	7	Cynosciadium digitatum	Nt A-FORB	Pinnate Dog-Celery
CYNECH	*	CYNOSURUS ECHINATUS	Ad A-GRASS	Dog's Tail Grass
CYPACU	3	Cyperus acuminatus	Nt A-SEDGE	Short-Pointed Cyperus
CYPBIP	6	Cyperus bipartitus	Nt A-SEDGE	Brook Sedge
CYPCOM	0	Cyperus compressus	Nt A-SEDGE	Coco Grass
CYPCRO	10	Cyperus croceus	Nt P-SEDGE	Bladwin Flatsedge
CYPDIA	6	Cyperus diandrus	Nt A-SEDGE	Umbrella Flatsedge
CYPDIF	*	CYPERUS DIFFORMIS	Ad A-SEDGE	Variable Flatsedge
CYPECH	3	Cyperus echinatus	Nt P-SEDGE	Ball Sedge
CYPERY	2	Cyperus erythrorhizos	Nt A-SEDGE	Red-Rooted Sedge
CYPESC	0	Cyperus esculentus	Nt P-SEDGE	Chufa
CYPFLN†	5	Cyperus flavescens var poiformis	Nt A-SEDGE	Yellow Flatsedge
CYPFLC†	*	CYPERUS FLAVICOMIS	Ad A-SEDGE	White-Edged Cyperus
CYPFUS	*	CYPERUS FUSCUS	Ad A-SEDGE	Brown Flatsedge
CYPGRA	9	Cyperus grayoides	Nt P-SEDGE	Illinois Flatsedge
CYPHYS	9	Cyperus hystricinus	Nt P-SEDGE	Bristly Flatsedge

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
CYPIRI	*	CYPERUS IRIA	Ad A-SEDGE	Iria Flatsedge
CYPLAN	5	Cyperus lancastriensis	Nt P-SEDGE	Many-Flowered Flatsedge
CYPLUL†	4	Cyperus lupulinus subsp lupulinus	Nt P-SEDGE	Slender Flatsedge
CYPLUM†	4	Cyperus lupulinus subsp macilentus	Nt P-SEDGE	Slender Flatsedge
CYPODO	3	Cyperus odoratus	Nt A-SEDGE	Fragrant Flatsedge
CYPPLU	10	Cyperus plukenettii	Nt P-SEDGE	Plunkenet's Cyperus
CYPPOL	8	Cyperus polystachyos var texensis	Nt A-SEDGE	Many-Spike Flatsedge
CYPPSE	5	Cyperus pseudovegetus	Nt P-SEDGE	Green Flatsedge
CYPREF	6	Cyperus refractus	Nt P-SEDGE	Reflexed Flatsedge
CYPREX†	6	Cyperus retroflexus	Nt P-SEDGE	One-Flowered Flatsedge
CYPREC†	8	Cyperus retrofractus	Nt P-SEDGE	Rough Flatsedge
CYPRER†	*	CYPERUS RETRORSUS	Ad P-SEDGE	Pine Barrens Flatsedge
CYPROT	*	CYPERUS ROTUNDUS	Ad P-SEDGE	Nut Grass
CYPSCH	7	Cyperus schweinitzii	Nt P-SEDGE	Rough Sand Flatsedge
CYPSET	5	Cyperus setigerus	Nt P-SEDGE	Leon Flatsedge
CYPSQU	3	Cyperus squarrosus	Nt A-SEDGE	Awned Flatsedge
CYPSTR	1	Cyperus strigosus	Nt P-SEDGE	Straw-Colored Flatsedge
CYPPAR†	8	Cypripedium calceolus var parviflorum	Nt P-FORB	Small Yellow Lady's Slipper
CYPPUB†	8	Cypripedium calceolus var pubescens	Nt P-FORB	Large Yellow Lady's Slipper
CYPCAN	10	Cypripedium candidum	Nt P-FORB	White Lady's Slipper
CYPREG	10	Cypripedium reginae	Nt P-FORB	Showy Lady's Slipper
CYSBUL	8	Cystopteris bulbifera	Nt FERN	Bulblet Fern
CYSPRO	5	Cystopteris protrusa	Nt FERN	Southern Fern
CYSTES†	8	Cystopteris tennesseensis	Nt FERN	Tennessee Bladder Fern
CYSTEU†	10	Cystopteris tenuis	Nt FERN	Fragile Fern
DACGLO	*	DACTYLIS GLOMERATA	Ad P-GRASS	Orchard Grass
DALCAN	8	Dalea candida	Nt P-FORB	White Prairie Clover
DALENN	10	Dalea enneandra	Nt P-FORB	Nine-Anthered Prairie Clover
DALGAT	10	Dalea gattingeri	Nt P-FORB	Glade Prairie Clover
DALLEP	7	Dalea leporina	Nt A-FORB	Foxtail Dalea
DALMUL	10	Dalea multiflora	Nt P-FORB	Round-Headed Prairie Clover
DALPUR	8	Dalea purpurea	Nt P-FORB	Purple Prairie Clover
DALVIL	*	DALEA VILLOSA	Ad P-FORB	Silky Prairie Clover
DANSPI	3	Danthonia spicata	Nt P-GRASS	Poverty Oat Grass
DASMAC	5	Dasistoma macrophyllum	Nt P-FORB	Mullein Foxglove
DATINO	*	DATURA INOXIA	Ad A-FORB	Angel's Trumpet
DATSTR	*	DATURA STRAMONIUM	Ad A-FORB	Jimson Weed
DATWRI	*	DATURA WRIGHTII	Ad A-FORB	Sacred Thorn-Apple

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
DAUCAR	*	DAUCUS CAROTA	Ad B-FORB	Queen Anne's Lace
DAUPUS	4	Daucus pusillus	Nt B-FORB	Small Wild Carrot
DECVER	10	Decodon verticillatus	Nt SHRUB	Swamp Loosestrife
DELAJA	*	DELPHINIUM AJACIS	Ad A-FORB	Rocket Larkspur
DELCAC†	7	Delphinium carolinianum subsp carolinianum	Nt P-FORB	Carolina Larkspur
DELCAV†	6	Delphinium carolinianum subsp virescens	Nt P-FORB	Prairie Larkspur
DELCON	*	DELPHINIUM CONSOLIDA	Ad A-FORB	Forking Larkspur
DELEXA	10	Delphinium exaltatum	Nt P-FORB	Tall Larkspur
DELTRE	10	Delphinium treleasei	Nt P-FORB	Trelease's Larkspur
DELTRI	6	Delphinium tricorne	Nt P-FORB	Dwarf Larkspur
DENPUN	10	Dennstaedtia punctilobula	Nt FERN	Hay-Scented Fern
DEPACR	10	Deparia acrostichoides	Nt FERN	Silvery Spleenwort
DESPIB†	2	Descurainia pinnata subsp brachycarpa	Nt A-FORB	Green Tansy Mustard
DESPIP†	6	Descurainia pinnata subsp pinnata	Nt A-FORB	Gray Tansy Mustard
DESSOP	*	DESCURAINIA SOPHIA	Ad A-FORB	Flixweed
DESAIL†	3	Desmanthus illinoensis	Nt P-FORB	Illinois Bundle Flower
DESLEP	*	DESMANTHUS LEPTOLOBUS	Ad P-FORB	Creeping Bundle flower
DESHUM	8	Desmodium ^ humifusum	Nt P-FORB	Trailing Tick Trefoil
DESCAD†	4	Desmodium canadense	Nt P-FORB	Showy Tick Trefoil
DESCAS†	5	Desmodium canescens	Nt P-FORB	Hoary Tick Trefoil
DESCIL	5	Desmodium ciliare	Nt P-FORB	Hairy Tick Trefoil
DESCUS	5	Desmodium cuspidatum	Nt P-FORB	Bracted Tick Trefoil
DESGLA	3	Desmodium glabellum	Nt P-FORB	Dillenı's Tick Trefoil
DESOIL†	6	Desmodium illinoense	Nt P-FORB	Illinois Tick Trefoil
DESLAE	7	Desmodium laevigatum	Nt P-FORB	Smooth Tick Trefoil
DESMAR	5	Desmodium marilandicum	Nt P-FORB	Small-Leaved Tick Trefoil
DESNUT	7	Desmodium nuttallii	Nt P-FORB	Nuttall's Tick Trefoil
DESOBT	6	Desmodium obtusum	Nt P-FORB	Stiff Tick Trefoil
DESOCH	10	Desmodium ochroleucum	Nt P-FORB	Cream-Flowered Tick Trefoil
DESPAN	3	Desmodium paniculatum	Nt P-FORB	Panicled Tick Trefoil
DESPER	3	Desmodium perplexum	Nt P-FORB	Confusing Trefoil
DESROT	6	Desmodium rotundifolium	Nt P-FORB	Round-Leaved Tick Trefoil
DESSES	5	Desmodium sessilifolium	Nt P-FORB	Sessile-Leaved Tick Trefoil
DESSTR	10	Desmodium strictum	Nt P-FORB	Sand Tick Trefoil
DESVIR	10	Desmodium viridiflorum	Nt P-FORB	Velvetleaf Tick Trefoil
DIAARM	*	DIANTHUS ARMERIA	Ad A-FORB	Deptford Pink
DIABAR	*	DIANTHUS BARBATUS	Ad P-FORB	Sweet William
DIADEL	*	DIANTHUS DELTOIDES	Ad P-FORB	Maiden Pink

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
DIAPLU	*	DIANTHUS PLUMARIUS	Ad P-FORB	Garden Pink
DIAPRO	*	DIAPERIA PROLIFERA	Ad A-FORB	Pygmy Cudweed
DIAAME	9	Diarrhena americana	Nt P-GRASS	American Beak Grass
DIAOBO	6	Diarrhena obovata	Nt P-GRASS	Obovate Beak Grass
DICCAN	9	Dicentra canadensis	Nt P-FORB	Squirrel Corn
DICCUC	6	Dicentra cucullaria	Nt P-FORB	Dutchman's Breeches
DICANG	7	Dichanthelium angustifolium◄	Nt P-GRASS	Needle-Leaved Panic Grass
DICANN	10	Dichanthelium annulum	Nt P-GRASS	Ringed Panic Grass
DICASH	7	Dichanthelium ashei◄	Nt P-GRASS	Ashe's Panic Grass
DICBIC	6	Dichanthelium bicknellii◄	Nt P-GRASS	Bicknell's Panic Grass
DICBOS	5	Dichanthelium boscii	Nt P-GRASS	Bosc's Panic Grass
DICCLA	4	Dichanthelium clandestinum	Nt P-GRASS	Deer Tongue Grass
DICCOL	8	Dichanthelium columbianum◄	Nt P-GRASS	Hemlock Panic Grass
DICCOS†	8	Dichanthelium commonsianum	Nt P-GRASS	Common's Panic Grass
DICCOM	7	Dichanthelium commutatum var commutatum	Nt P-GRASS	Variable Panic Grass
DICDEP	4	Dichanthelium depauperatum	Nt P-GRASS	Starved Panic Grass
DICDIB†	6	Dichanthelium dichotomum var barbulatum◄	Nt P-GRASS	Forked Panic Grass
DICDID†	8	Dichanthelium dichotomum var dichotomum	Nt P-GRASS	Forked Panic Grass
DICDIY†	10	Dichanthelium dichotomum var yadkinense◄	Nt P-GRASS	Yadkin Panic Grass
DICIMP	7	Dichanthelium implicatum◄	Nt P-GRASS	Hairy Panic Grass
DICJOO	7	Dichanthelium joorii◄	Nt P-GRASS	Joor's Panic Grass
DICLAN	2	Dichanthelium lanuginosum◄	Nt P-GRASS	Wooly Panic Grass
DICLAT	7	Dichanthelium latifolium	Nt P-GRASS	Broad-Leaved Panic Grass
DICLAX	6	Dichanthelium laxiflorum	Nt P-GRASS	Lax-Flowered Panic Grass
DICLEI	10	Dichanthelium leibergii	Nt P-GRASS	Prairie Panic Grass
DICLID†	3	Dichanthelium lindheimeri◄	Nt P-GRASS	Lindheimer's Panic Grass
DICLIL†	5	Dichanthelium linearifolium var linearifolium	Nt P-GRASS	Slender-Leaved Panic Grass
DICLON	4	Dichanthelium longiligulatum◄	Nt P-GRASS	Coastal Plain Panic Grass
DICMAL	5	Dichanthelium malacophyllum	Nt P-GRASS	Soft-Leaved Panic Grass
DICMIC	7	Dichanthelium microcarpon	Nt P-GRASS	Small-Fruited Panic Grass
DICNIT	10	Dichanthelium nitidum	Nt P-GRASS	Shining Panic Grass
DICOLO†	6	Dichanthelium oligosanthes var oligosanthes	Nt P-GRASS	Few-Flowered Panic Grass
DICOLS†	4	Dichanthelium oligosanthes var scribnerianum	Nt P-GRASS	Scribner's Panic Grass
DICPER	9	Dichanthelium perlongum◄	Nt P-GRASS	Long-Stalked Panic Grass
DICPOL	6	Dichanthelium polyanthes◄	Nt P-GRASS	Many-Flowered Panic Grass
DICPRA	9	Dichanthelium praecocius◄	Nt P-GRASS	Early-Branching Panic Grass

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
DICRAV	7	Dichanthelium ravenelii	Nt P-GRASS	Ravenel's Panic Grass
DICSCO	6	Dichanthelium scoparium	Nt P-GRASS	Velvety Panic Grass
DICSPH	5	Dichanthelium sphaerocarpon	Nt P-GRASS	Round-Fruited Panic Grass
DICVIL	6	Dichanthelium villosissimum◄	Nt P-GRASS	White-Haired Panic Grass
DICWER†	7	Dichanthelium werneri◄	Nt P-GRASS	Werner's Panic Grass
DICCON	*	DICHELOSTEMMA CONGESTUM	Ad P-FORB	Garden Bluebells
DICCAR	*	DICHONDRA CAROLINENSIS◄	Ad P-FORB	Carolina Ponyfoot
DICBRA	6	Dicliptera brachiata	Nt A-FORB	Wild Mudwort
DICALB	*	DICTAMNUS ALBUS	Ad P-FORB	Gas Plant
DIDDIA	7	Didiplis diandra	Nt P-FORB	Water Purslane
DIGCIL	*	DIGITARIA CILIARIS	Ad A-GRASS	Southern Crab Grass
DIGCOG	3	Digitaria cognata	Nt P-GRASS	Fall Witch Grass
DIGFIL	3	Digitaria filiformis	Nt A-GRASS	Slender Crab Grass
DIGISC	*	DIGITARIA ISCHAEMUM	Ad A-GRASS	Smooth Crab Grass
DIGSAN	*	DIGITARIA SANGUINALIS	Ad A-GRASS	Hairy Crab Grass
DIGVIO	*	DIGITARIA VIOLASCENS	Ad A-GRASS	Violet Crab Grass
DIODTE†	2	Diodia teres	Nt A-FORB	Buttonweed
DIODVI†	5	Diodia virginiana	Nt P-FORB	Large Buttonweed
DIOOPP	*	DIOSCOREA OPPOSITIFOLIA	Ad P-FORB	Chinese Yam
DIOQUA	5	Dioscorea quaternata	Nt P-FORB	Four-Leaf Yam
DIOVIL	5	Dioscorea villosa	Nt P-FORB	Wild Yam
DIOSVI†	3	Diospyros virginiana	Nt TREE	Persimmon
DIPPYC	10	Diplazium pycnocarpon	Nt FERN	Narrow-Leaved Spleenwort
DIPMUR	*	DIPLOTAXIS MURALIS	Ad A-FORB	Wall Rocket
DIPFUL	*	DIPSACUS FULLONUM	Ad B-FORB	Common Teasel
DIPLAC	*	DIPSACUS LACINIATUS	Ad B-FORB	Cut-Leaved Teasel
DIRPAL	8	Dirca palustris◄	Nt SHRUB	Leatherwood
DISSPP†	10	Distichlis spicata var spicata	Nt P-GRASS	Seashore Salt Grass
DISSPT†	*	DISTICHLIS SPICATA var STRICTA	Ad P-GRASS	Inland Salt Grass
DOEUMB	10	Doellingeria umbellata var pubens	Nt P-FORB	Flat-Top Aster
DRAAPR	10	Draba aprica	Nt A-FORB	Whitlow Grass
DRABRA	0	Draba brachycarpa	Nt A-FORB	Short-Fruited Whitlow Grass
DRACUN	5	Draba cuneifolia	Nt A-FORB	Wedgeleaf Draba
DRAREP	2	Draba reptans	Nt A-FORB	Common Whitlow Grass
DRAVER	*	DRABA VERNA	Ad A-FORB	Vernal Whitlow Grass
DRAPAR	*	DRACOCEPHALUM PARVIFLORUM	Ad A-FORB	American Dragonhead
DRYARG	10	Drymocallis arguta	Nt P-FORB	Prairie Cinquefoil
DRYCAR	10	Dryopteris carthusiana	Nt FERN	Spinulose Shield Fern
DRYCEL	10	Dryopteris celsa	Nt FERN	Log Fern

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
DRYCRI	10	Dryopteris cristata	Nt FERN	Crested Shield Fern
DRYGOL	9	Dryopteris goldiana	Nt FERN	Goldie Fern
DRYINT	10	Dryopteris intermedia	Nt FERN	Intermediate Shield Fern
DRYMAR	7	Dryopteris marginalis	Nt FERN	Marginal Shield Fern
DUCIND	*	DUCHESNEA INDICA	Ad P-FORB	Indian Strawberry
DULARU	9	Dulichium arundinaceum	Nt P-SEDGE	Pond Sedge
DYSPAP	1	Dyssodia papposa	Nt A-FORB	Fetid Marigold
ECHANG	8	Echinacea angustifolia◀	Nt P-FORB	Narrow-Leafed Coneflower
ECHPAL	7	Echinacea pallida	Nt P-FORB	Pale Purple Coneflower
ECHPAR	9	Echinacea paradoxa	Nt P-FORB	Yellow Coneflower
ECHPUR	5	Echinacea purpurea	Nt P-FORB	Purple Coneflower
ECHSIM	7	Echinacea simulata	Nt P-FORB	Glade Purple Coneflower
ECHCOL	*	ECHINOCHLOA COLONUM	Ad A-GRASS	Jungle Rice
ECHCRG†	*	ECHINOCHLOA CRUSGALLI	Ad A-GRASS	Barnyard Grass
ECHCRP†	*	ECHINOCHLOA CRUS-PAVONIS var MACERA	Ad A-GRASS	Gulf Cockspur Grass
ECHMUR	2	Echinochloa muricata	Nt A-GRASS	Cockspur Grass
ECHWAL	7	Echinochloa walteri	Nt A-GRASS	Marsh Cockspur Grass
ECHLOB	5	Echinocystis lobata	Nt A-FORB	Wild Cucumber
ECHBER	8	Echinodorus berteroi	Nt A-FORB	Upright Burhead
ECHCOR	8	Echinodorus cordifolius	Nt P-FORB	Creeping Burhead
ECHTEN	9	Echinodorus tenellus	Nt A-FORB	Dwarf Burhead
ECHVUL	*	ECHIUM VULGARE	Ad B-FORB	Blueweed
ECLPRO	3	Eclipta prostrata	Nt A-FORB	Yerba De Tajo
EGEDEN	*	EGERIA DENSA	Ad P-FORB	Brazilian Waterweed
EICCRA	*	EICHHORNIA CRASSIPES	Ad P-FORB	Water Hyacinth
ELAANG	*	ELAEAGNUS ANGUSTIFOLIA	Ad SHRUB	Russian Olive
ELAUMB	*	ELAEAGNUS UMBELLATA	Ad SHRUB	Autumn Olive
ELATRI	10	Elatine triandra	Nt A-FORB	Waterwort
ELEACI	5	Eleocharis acicularis	Nt P-SEDGE	Needle Spike Rush
ELEATR	10	Eleocharis atropurpurea	Nt A-SEDGE	Purple Spike Rush
ELECOA†	6	Eleocharis compressa var acutisquamata◀	Nt P-SEDGE	Flat-Stemmed Spike Rush
ELECOC†	5	Eleocharis compressa var compressa◀	Nt P-SEDGE	Flat-Stemmed Spike Rush
ELEELL	4	Eleocharis elliptica	Nt P-SEDGE	Elliptic Spike Rush
ELEENG	5	Eleocharis engelmannii◀	Nt A-SEDGE	Engelmann's Spike Rush
ELEEQU	10	Eleocharis equisetoides	Nt P-SEDGE	Knotted Spike Rush
ELEERY	5	Eleocharis erythropoda	Nt P-SEDGE	Bald Spike Rush
ELELAN	6	Eleocharis lanceolata	Nt A-SEDGE	Daggerleaf Spike-Rush
ELEMAC	7	Eleocharis macrostachya◀	Nt P-SEDGE	Pale Spike-Rush
ELEOBT	2	Eleocharis obtusa◀	Nt A-SEDGE	Blunt Spike Rush

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ELEOVA	2	Eleocharis ovata◀	Nt A-SEDGE	Oval Spike Rush
ELEPAL	5	Eleocharis palustris	Nt P-SEDGE	Marsh Spike Rush
ELEPAR	7	Eleocharis parvula	Nt P-SEDGE	Small Spike-Rush
ELEQUA	5	Eleocharis quadrangulata	Nt P-SEDGE	Angled Spike Rush
ELETEN	6	Eleocharis tenuis var atrata◀	Nt P-SEDGE	Wiry Spike Rush
ELEVER	4	Eleocharis verrucosa	Nt P-SEDGE	Slender Spike Rush
ELEWOL	9	Eleocharis wolfii	Nt P-SEDGE	Wolf's Spike Rush
ELEXYR	7	Eleocharis xyridiformis◀	Nt P-SEDGE	Big Flat Spike Rush
ELECAR	3	Elephantopus carolinianus	Nt P-FORB	Elephant's Foot
ELEIND	*	ELEUSINE INDICA	Ad A-GRASS	Indian Goose Grass
ELETRI	*	ELEUSINE TRISTACHYA	Ad P-GRASS	Threespike Goose Grass
ELLNYC	1	Ellisia nyctelea	Nt A-FORB	Aunt Lucy
ELOCAN	10	Elodea canadensis	Nt P-FORB	Common Waterweed
ELONUT	7	Elodea nuttallii	Nt P-FORB	Slender Waterweed
ELYCAN	5	Elymus canadensis	Nt P-GRASS	Canada Wild Rye
ELYCHU	10	Elymus churchii◀	Nt P-GRASS	Church's Wild Rye
ELYCUR	3	Elymus curvatus◀	Nt P-GRASS	Awnless Wild Rye
ELYELO	*	ELYMUS ELONGATUS subsp PONTICUS	Ad P-GRASS	Tall Wheat Grass
ELYGLR†	4	Elymus glabriflorus◀	Nt P-GRASS	Southeastern Wild Rye
ELYGLU†	10	Elymus glaucus	Nt P-GRASS	Blue Wild Rye
ELYHYS	4	Elymus hystrix	Nt P-GRASS	Bottlebrush Grass
ELYJEJ	7	Elymus jejunus◀	Nt P-GRASS	Virginia Wild Rye
ELYLON	*	ELYMUS LONGIFOLIUS	Ad P-GRASS	Squirreltail
ELYMAC	6	Elymus macgregorii◀	Nt P-GRASS	Early Wild Rye
ELYREP	*	ELYMUS REPENS	Ad P-GRASS	Quack Grass
ELYRIP	7	Elymus riparius	Nt P-GRASS	Riverbank Wild Rye
ELYTRA	*	ELYMUS TRACHYCAULUS	Ad P-GRASS	Slender Wheat Grass
ELYVIL	4	Elymus villosus	Nt P-GRASS	Silky Wild Rye
ELYVIR	5	Elymus virginicus	Nt P-GRASS	Virginia Wild Rye
ENGPER	*	ENGELMANNIA PERISTENIA	Ad P-FORB	Engelmann's Daisy
EPIVIR	10	Epifagus virginiana	Nt P-FORB	Beech Drops
EPICIL	*	EPILOBIUM CILIATUM	Ad P-FORB	Fringed Willow Herb
EPICOL	6	Epilobium coloratum	Nt P-FORB	Cinnanmon Willow Herb
EPILEP	10	Epilobium leptophyllum	Nt P-FORB	Fen Willow Herb
EPIHEL	*	EPIPACTIS HELLEBORINE	Ad P-FORB	Hellerborine
EQUFER	3	Equisetum × ferrissii	Nt FERN	Ferriss' Horsetail
EQUNEL	10	Equisetum × nelsonii	Nt FERN	Fen Horsetail
EQUARV	1	Equisetum arvense	Nt FERN	Horsetail
EQUHYE	3	Equisetum hyemale	Nt FERN	Scouring Rush

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
EQULAE	4	Equisetum laevigatum	Nt FERN	Smooth Scouring Rush
ERABAR	*	ERAGROSTIS BARRELIERI	Ad A-GRASS	Mediterranean Love Grass
ERACAP	3	Eragrostis capillaris	Nt A-GRASS	Lace Grass
ERACIL	*	ERAGROSTIS CILIANENSIS	Ad A-GRASS	Stink Grass
ERACUT†	*	ERAGROSTIS CURTIPEDICELLATA	Ad P-GRASS	Gummy Love Grass
ERACUV†	*	ERAGROSTIS CURVULA	Ad P-GRASS	Weeping Love Grass
ERAELL	*	ERAGROSTIS ELLIOTTII	Ad P-GRASS	Elliott's Love Grass
ERAFRA	3	Eragrostis frankii	Nt A-GRASS	Sandbar Love Grass
ERAGLO	4	Eragrostis glomerata	Nt A-GRASS	Pond Love Grass
ERAHIR	4	Eragrostis hirsuta	Nt P-GRASS	Bigtop Love Grass
ERAHYP	4	Eragrostis hypnoides	Nt A-GRASS	Creeping Love Grass
ERAINT	5	Eragrostis intermedia	Nt P-GRASS	Plains Love Grass
ERAMIN	*	ERAGROSTIS MINOR	Ad A-GRASS	Little Love Grass
ERAPEM†	*	ERAGROSTIS PECTINACEA var MISERRIMA	Ad A-GRASS	Carolina Love Grass
ERAPEP†	0	Eragrostis pectinacea var pectinacea	Nt A-GRASS	Small Love Grass
ERAPIL	*	ERAGROSTIS PILOSA	Ad A-GRASS	India Love Grass
ERAREP	10	Eragrostis reptans	Nt A-GRASS	Pony Grass
ERASEC	*	ERAGROSTIS SECUNDIFLORA subsp OXYLEPIS	Ad P-GRASS	Red Love Grass
ERASPE	3	Eragrostis spectabilis	Nt P-GRASS	Purple Love Grass
ERATRI	4	Eragrostis trichodes	Nt P-GRASS	Tall Love Grass
ERAHYE	*	ERANTHUS HYEMALIS	Ad P-FORB	Winter Aconite
EREHIE	1	Erechtites hieracifolius	Nt A-FORB	Fireweed
ERIALO	8	Erianthus alopecuroides	Nt P-GRASS	Silver Plumegrass
ERIGIG	*	ERIANTHUS GIGANTEUS	Ad P-GRASS	Sugarcane Plumegrass
ERIRAV	*	ERIANTHUS RAVENNAE	Ad P-GRASS	Plumegrass
ERISTT	10	Erianthus strictus	Nt P-GRASS	Narrow Plumegrass
ERIBUL	6	Erigenia bulbosa	Nt P-FORB	Harbinger Of Spring
ERIGAN†	1	Erigeron annuus	Nt A-FORB	Annual Fleabane
ERIPHI	3	Erigeron philadelphicus	Nt B-FORB	Marsh Fleabane
ERIPUL	6	Erigeron pulchellus	Nt B-FORB	Robin's Plantain
ERISTG†	3	Erigeron strigosus	Nt A-FORB	Daisy Fleabane
ERITEN	4	Erigeron tenuis	Nt P-FORB	Slender Rough Fleabane
ERIACU	*	ERIOCHLOA ACUMINATA	Ad A-GRASS	Cup Grass
ERICON	*	ERIOCHLOA CONTRACTA	Ad A-GRASS	Prairie Cup Grass
ERIVIL	*	ERIOCHLOA VILLOSA	Ad A-GRASS	Wooly Cup Grass
ERIOAN	*	ERIOGONUM ANNUUM	Ad A-FORB	Annual Buckwheat
ERILON	10	Eriogonum longifolium	Nt P-FORB	Umbrella Plant
EROCIC	*	ERODIUM CICUTARIUM	Ad A-FORB	Storksbill

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
EROTEX	*	ERODIUM TEXANUM	Ad A-FORB	Large-Flowered Storkbill
ERUVES	*	ERUCA VESICARIA subsp SATIVA	Ad A-FORB	Garden Rocket
ERUGAL	*	ERUCASTRUM GALLICUM	Ad A-FORB	Dog Mustard
ERYLEA	*	ERYNGIUM LEAVENWORTHII	Ad A-FORB	Leavenworth Eryngo
ERYPRO	5	Eryngium prostratum	Nt P-FORB	Creeping Coyote Thistle
ERYYUC	8	Eryngium yuccifolium	Nt P-FORB	Rattlesnake Master
ERYCAP	8	Erysimum capitatum	Nt B-FORB	Western Wallflower
ERYCHE	*	ERYSIMUM CHEIRANTHOIDES	Ad A-FORB	Wormseed Mustard
ERYINC	*	ERYSIMUM INCONSPICUUM	Ad P-FORB	Small Wormseed Mustard
ERYREP	*	ERYSIMUM REPANDUM	Ad A-FORB	Treacle Mustard
ERYALB	5	Erythronium albidum	Nt P-FORB	White Trout Lily
ERYAME	8	Erythronium americanum	Nt P-FORB	Yellow Trout Lily
ERYMES	7	Erythronium mesochoreum	Nt P-FORB	Prairie Trout Lily
ERYROS	8	Erythronium rostratum	Nt P-FORB	Southern Yellow Trout Lily
ESCCAL	*	ESCHSCHOLTZIA CALIFORNICA	Ad P-FORB	California Poppy
EUOALA	*	EUONYMUS ALATUS	Ad SHRUB	Winged Wahoo
EUOAME	10	Euonymus americanus	Nt SHRUB	Strawberry Bush
EUOATR	5	Euonymus atropurpureus	Nt SHRUB	Wahoo
EUOEUR	*	EUONYMUS EUROPAEUS	Ad SHRUB	European Spindletree
EUOHED	*	EUONYMUS HEDERACEUS	Ad SHRUB	Wintercreeper
EUOOBO	9	Euonymus obovatus	Nt SHRUB	Running Strawberry Bush
EUPALB	7	Eupatorium album ◄	Nt P-FORB	White Throughwort
EUPALT	3	Eupatorium altissimum	Nt P-FORB	Tall Boneset
EUPCAP	*	EUPATORIUM CAPILLIFOLIUM	Ad A-FORB	Yankeeweed
EUPFIS	8	Eupatorium fistulosum	Nt P-FORB	Hollow Joe Pye Weed
EUPHYS	5	Eupatorium hyssopifolium var calcaratum	Nt P-FORB	Hyssop-Leaved Thoroughwort
EUPMAC	10	Eupatorium maculatum	Nt P-FORB	Spotted Joe Pye Weed
EUPPER	3	Eupatorium perfoliatum	Nt P-FORB	Common Boneset
EUPPUR	6	Eupatorium purpureum	Nt P-FORB	Purple Joe Pye Weed
EUPROT	3	Eupatorium rotundifolium	Nt P-FORB	Round-Leaved Boneset
EUPSEM	8	Eupatorium semiserratum	Nt P-FORB	Small-Flowered Thoroughwort
EUPSER	1	Eupatorium serotinum	Nt P-FORB	Late Boneset
EUPSES	7	Eupatorium sessilifolium	Nt P-FORB	Upland Boneset
EUPTOR	3	Eupatorium torreyanum ◄	Nt P-FORB	Torrey's Boneset
EPHCOM†	6	Euphorbia commutata	Nt B-FORB	Tinted Spurge
EPHCOR†	3	Euphorbia corollata	Nt P-FORB	Flowering Spurge
EPHCYA†	4	Euphorbia cyathophora	Nt A-FORB	Painted Spurge
EPHCYP†	*	EUPHORBIA CYPARISSIAS	Ad P-FORB	Cypress Spurge

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
EPHDAV†	1	Euphorbia davidii	Nt A-FORB	Narrow-Lesved Toothed Spurge
EPHDEN†	0	Euphorbia dentata	Nt A-FORB	Toothed Spurge
EPHESU†	*	EUPHORBIA ESULA	Ad P-FORB	Leafy Spurge
EPHGEY†	10	Euphorbia geyeri	Nt A-FORB	Geyer's Spurge
EPHGLY†	6	Euphorbia glyptosperma	Nt A-FORB	Ridge-Seeded Spurge
EPHHUM†	3	Euphorbia humistrata	Nt A-FORB	Spreading Spurge
EPHMAC†	0	Euphorbia maculata	Nt A-FORB	Creeping Spurge
EPHMAR†	3	Euphorbia marginata	Nt A-FORB	Snow-On-The-Mountain
EPHMIS†	8	Euphorbia missurica	Nt A-FORB	Missouri Spurge
EPHNUT†	0	Euphorbia nutans	Nt A-FORB	Nodding Spurge
EPHOBT†	3	Euphorbia obtusata	Nt A-FORB	Blunt-Leaved Spurge
EUPOPT	*	EUPHORBIA OPTHALMICA	Ad A-FORB	Florida Hammock Sandmat
EUPOUA	6	Euphorbia ouachitana◄	Nt A-FORB	Ouachita Spurge
EPHPRO†	*	EUPHORBIA PROSTRATA	Ad A-FORB	Groundfig Spurge
EPHSEE†	4	Euphorbia serpens	Nt A-FORB	Round-Leaved Spurge
EPHSEY†	*	EUPHORBIA SERPYLLIFOLIA◄	Ad A-FORB	Thyme-Leaved Spurge
EPHSPA†	5	Euphorbia spathulata	Nt A-FORB	Prairie Spurge
EPHSTI†	*	EUPHORBIA STICTOSPORA	Ad A-FORB	Mat Spurge
EURFUR	10	Eurybia furcata	Nt P-FORB	Forked Aster
EURHEM	9	Eurybia hemispherica	Nt P-FORB	Southern Swamp Aster
EURMAC	10	Eurybia macrophylla	Nt P-FORB	Big-Leaved Aster
EUTGRA	3	Euthamia graminifolia	Nt P-FORB	Hairy Grass-Leaved Goldenrod
EUTGYM	4	Euthamia gymnospermoides	Nt P-FORB	Viscid Grass-Leaved Goldenrod
EUTLEP	8	Euthamia leptocephala	Nt P-FORB	Western Bushy Goldenrod
EVOALS	*	EVOLVULUS ALSINOIDES	Ad P-FORB	Dwarf Morning Glory
EVONUT	8	Evolvulus nuttallianus	Nt P-FORB	Shaggy Evolvulus
EXORAC	*	EXOCHORDA RACEMOSA	Ad SHRUB	Common Pearlbush
FAGESC	*	FAGOPYRUM ESCULENTUM	Ad A-FORB	Buckwheat
FAGGRA	8	Fagus grandifolia	Nt TREE	Beech
FALVUL	*	FALCARIA VULGARIS	Ad P-FORB	Sickleweed
FALCON	*	FALLOPIA CONVOLVULUS	Ad A-FORB	Black Bindweed
FALDUM	*	FALLOPIA DUMETORUM	Ad P-FORB	False Buckwheat Weed
FALJAP	*	FALLOPIA JAPONICA	Ad P-FORB	Japanese Knotweed
FALSCA	3	Fallopia scandens	Nt P-FORB	Climbing False Buckwheat
FATVIL	*	FATOUA VILLOSA	Ad A-FORB	Hairy Crabweed
FESARU	*	FESTUCA ARUNDINACEA	Ad P-GRASS	Tall Fescue
FESOVI	*	FESTUCA OVINA	Ad P-GRASS	Sheep Fescue
FESPAR	6	Festuca paradoxa	Nt P-GRASS	Cluster Fescue

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
FESPRA	*	FESTUCA PRATENSIS	Ad P-GRASS	Meadow Fescue
FESRUB	*	FESTUCA RUBRA	Ad P-GRASS	Red Fescue
FESSOR	*	FESTUCA SORORIA	Ad P-GRASS	Ravine Fescue
FESSUB	4	Festuca subverticillata	Nt P-GRASS	Nodding Fescue
FESTRA	*	FESTUCA TRACHYPHYLLA	Ad P-GRASS	Hard Fescue
FILRUB	10	Filipendula rubra	Nt P-FORB	Queen of the Prairie
FIMANN	5	Fimbristylis annua	Nt A-SEDGE	Tall Fimbry
FIMAUT	5	Fimbristylis autumnalis	Nt A-SEDGE	Autumn Sedge
FIMLIT	*	FIMBRISTYLIS LITTORALIS	Ad A-SEDGE	Grassy-Like Fimbry
FIMPUB	7	Fimbristylis puberula	Nt P-SEDGE	Glade Fimbry
FIMVAH	4	Fimbristylis vahlii	Nt A-SEDGE	Vahl's Fimbry
FLACAM	*	FLAVERIA CAMPESTRIS	Ad A-FORB	Plains Flaveria
FLEINC	9	Fleischmannia incarnata	Nt P-FORB	Pink Thoroughwort
FLOPRO	10	Floerkea proserpinacoides	Nt A-FORB	False Mermaid
FOEVUL	*	FOENICULUM VULGARE	Ad P-FORB	Fennel
FONPHI	*	FONTANESIA PHILLYREOIDES subsp FORTUNEI	Ad SHRUB	Persian Lilac
FORACU	6	Forestiera acuminata	Nt TREE	Swamp Privet
FORSUS	*	FORSYTHIA SUSPENSA	Ad SHRUB	Weeping Forsythia
FRAANA	*	FRAGARIA × ANANASSA	Ad P-FORB	Garden Strawberry
FRAVES	10	Fragaria vesca var americana	Nt P-FORB	Hillside Strawberry
FRAVIR	3	Fragaria virginiana	Nt P-FORB	Wild Strawberry
FRACAR	7	Frasera caroliniensis	Nt P-FORB	American Columbo
FRAAME	4	Fraxinus americana	Nt TREE	White Ash
FRABIL	5	Fraxinus biltmoreana	Nt TREE	Biltmore Ash
FRAPEP†	5	Fraxinus pennsylvanica var pennsylvanica	Nt TREE	Red Ash
FRAPES†	2	Fraxinus pennsylvanica var subintegerrima	Nt TREE	Green Ash
FRAPRO	8	Fraxinus profunda	Nt TREE	Pumpkin Ash
FRAQUA	7	Fraxinus quadrangulata	Nt TREE	Blue Ash
FRASMA	3	Fraxinus smallii	Nt TREE	Sullivan's Ash
FROFLO	4	Froelichia floridana var campestris	Nt A-FORB	Large Cottonweed
FROGRA	3	Froelichia gracilis	Nt A-FORB	Small Cottonweed
FUISIA†	10	Fuirena simplex var aristatula	Nt A-SEDGE	Plains Umbrella Grass
FUISIS†	8	Fuirena simplex var simplex	Nt P-SEDGE	Umbrella Grass
FUMOFF	*	FUMARIA OFFICINALIS	Ad A-FORB	Fumitory
GAIAES	10	Gaillardia aestivalis var flavovirens	Nt P-FORB	Yellow Blanket Flower
GAIPUL	*	GAILLARDIA PULCHELLA	Ad A-FORB	Blanket Flower
GALREG	6	Galactia regularis	Nt P-FORB	Milk Pea
GALNIV	*	GALANTHUS NIVALIS	Ad P-FORB	Snowdrop

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
GALSPE	7	Galearis spectabilis	Nt P-FORB	Showy Orchis
GALTET	*	GALEOPSIS TETRAHIT	Ad A-FORB	Common Hemp Nettle
GALPAR	*	GALINSOGA PARVIFLORA	Ad A-FORB	Smooth Peruvian Daisy
GALQUA	*	GALINSOGA QUADRIRADIATA	Ad A-FORB	Peruvian Daisy
GALANG	*	GALIUM ANGLICUM	Ad A-FORB	Lamarck's Bedstraw
GALAPA	0	Galium aparine	Nt A-FORB	Annual Bedstraw
GALARK	6	Galium arkansanum	Nt P-FORB	Arkansas Bedstraw
GALASP	10	Galium asprellum	Nt P-FORB	Rough Bedstraw
GALBOR	10	Galium boreale	Nt P-FORB	Northern Bedstraw
GALCIR	4	Galium circaezans	Nt P-FORB	Licorice Bedstraw
GALCON	4	Galium concinnum	Nt P-FORB	Shining Bedstraw
GALDIV	*	GALIUM DIVARICATUM	Ad A-FORB	Wall Bedstraw
GALOBT	5	Galium obtusum	Nt P-FORB	Wild Madder
GALPED	*	GALIUM PEDEMONTANUM	Ad A-FORB	Piedmont Bedstraw
GALPIL	6	Galium pilosum	Nt P-FORB	Hairy Bedstraw
GALTIN	6	Galium tinctorium	Nt P-FORB	Stiff Bedstraw
GALTRI	4	Galium triflorum	Nt P-FORB	Sweet-Scented Bedstraw
GALVER	*	GALIUM VERUM	Ad P-FORB	Yellow Bedstraw
GALVIR	4	Galium virgatum	Nt A-FORB	Dwarf Bedstraw
GAMARG	2	Gamochaeta argyrinea	Nt A-FORB	Southern Cudweed
GAMPEN	*	GAMOCHAETA PENSYLVANICA	Ad A-FORB	Pennsylvania Cudweed
GAMPUR	3	Gamochaeta purpurea	Nt A-FORB	Early Cudweed
GAUCOC	4	Gaura coccinea	Nt P-FORB	Scarlet Gaura
GAULON	1	Gaura longiflora	Nt B-FORB	Biennial Gaura
GAUPAR	2	Gaura parviflora	Nt B-FORB	Small-Flowered Gaura
GAUSIN	*	GAURA SINUATA	Ad P-FORB	Wavy-Leaved Gaura
GAYBAC	10	Gaylussacia baccata	Nt SHRUB	Huckleberry
GENALB	8	Gentiana alba	Nt P-FORB	Yellowish Gentian
GENANA†	10	Gentiana andrewsii var andrewsii	Nt P-FORB	Closed Gentian
GENANK†	9	Gentiana andrewsii var dakotica	Nt P-FORB	Closed Gentian
GENPUB	9	Gentiana puberulenta	Nt P-FORB	Downy Gentian
GENQUI	10	Gentianella quinquefolia subsp occidentalis	Nt A-FORB	Stiff Gentian
GEOMIN	10	Geocarpon minimum	Nt A-FORB	Geocarpon
GERCAR	0	Geranium carolinianum	Nt A-FORB	Carolina Cranesbill
GERCOL	*	GERANIUM COLUMBINUM	Ad A-FORB	Longstalk Cranesbill
GERDIS	*	GERANIUM DISSECTUM	Ad A-FORB	Cut-Leaved Cranesbill
GERMAC	5	Geranium maculatum	Nt P-FORB	Wild Geranium
GERMOL	*	GERANIUM MOLLE	Ad A-FORB	Dove's-Foot Cranesbill
GERPUS	*	GERANIUM PUSILLUM	Ad A-FORB	Small Geranium

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
GEUCAN	2	Geum canadense	Nt P-FORB	White Avens
GEUFRA	10	Geum fragarioides	Nt P-FORB	Barren Strawberry
GEULAC	6	Geum laciniatum	Nt P-FORB	Rough Avens
GEUTRI	10	Geum triflorum	Nt P-FORB	Prairie Smoke
GEUVER	3	Geum vernum	Nt P-FORB	Spring Avens
GEUVIR	9	Geum virginianum	Nt P-FORB	Pale Avens
GILSTI	5	Gillenia stipulata	Nt P-FORB	American Ipecac
GILTRI	10	Gillenia trifoliata	Nt P-FORB	Bowman's Root
GLACOM	*	GLADIOLUS COMMUNIS	Ad P-FORB	Garden Gladiolus
GLABIP	0	Glandularia bipinnatifida	Nt P-FORB	Dakota Verbena
GLACAN	5	Glandularia canadensis	Nt P-FORB	Rose Vervain
GLEHED	*	GLECHOMA HEDERACEA	Ad P-FORB	Creeping Charlie
GLEAQU	10	Gleditsia aquatica	Nt TREE	Water Locust
GLETRI	2	Gleditsia triacanthos	Nt TREE	Honey Locust
GLILOT	*	GLINUS LOTOIDES	Ad A-FORB	Glinus
GLYACU	10	Glyceria acutiflora	Nt P-GRASS	Sharp-Scaled Manna Grass
GLYSEA††	9	Glyceria septentrionalis var arkansana	Nt P-GRASS	Arkansas Manna Grass
GLYSES	8	Glyceria septentrionalis var septentrionalis	Nt P-GRASS	Floating Mannagrass
GLYSTR	4	Glyceria striata	Nt P-GRASS	Fowl Manna Grass
GLYMAX	*	GLYCINE MAX	Ad A-FORB	Soy Bean
GLYLEP	4	Glycyrrhiza lepidota	Nt P-FORB	Wild Licorice
GONSUB	7	Gonolobus suberosus	Nt P-FORB	Large-Leaved Angle-Pod
GOOPUB	10	Goodyera pubescens	Nt P-FORB	Rattlesnake Plantain
GOSHIR	*	GOSSYPIUM HIRSUTUM	Ad A-FORB	Cotton
GRANEG	4	Gratiola neglecta	Nt A-FORB	Clammy Hedge Hyssop
GRAVIR	8	Gratiola virginiana	Nt B-FORB	Round-Fruited Hedge Hyssop
GRAVIS	10	Gratiola viscidula	Nt P-FORB	Hedge Hyssop
GRICIL	*	GRINDELIA CILIATA	Ad A-FORB	Goldenweed
GRILAN	3	Grindelia lanceolata	Nt P-FORB	Spiny-Toothed Gumweed
GRISQU	*	GRINDELIA SQUARROSA	Ad B-FORB	Gum Plant
GUIABY	*	GUIZOTIA ABYSSINICA	Ad A-FORB	Niger Thistle
GUTTEX	*	GUTIERREZIA TEXANA	Ad A-FORB	Texas Snakeweed
GYMDIO	6	Gymnocladus dioica	Nt TREE	Kentucky Coffee Tree
GYMAMB	8	Gymnopogon ambiguus	Nt P-GRASS	Beard Grass
HACVIR	3	Hackelia virginiana	Nt B-FORB	Stickseed
HALDIP	*	HALESIA DIPTERA	Ad SHRUB	Two-Wing Silverbell
HAMVER	7	Hamamelis vernalis	Nt SHRUB	Vernal Witch Hazel
HAMVIR	9	Hamamelis virginiana	Nt TREE	Witch Hazel
HASSUA	9	Hasteola suaveolens	Nt P-FORB	Sweet Indian Plantain

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
HEDHIS	3	Hedeoma hispida	Nt A-FORB	Rough Pennyroyal
HEDPUL	4	Hedeoma pulegioides	Nt A-FORB	American Pennyroyal
HEDHEL	*	HEDERA HELIX	Ad W-VINE	English Ivy
HELAMA	*	HELENIUM AMARUM	Ad A-FORB	Bitterweed
HELAUT	5	Helenium autumnale	Nt P-FORB	Sneezeweed
HELFLE	3	Helenium flexuosum	Nt P-FORB	Purple-Head Sneezeweed
HELVIR	8	Helenium virginicum	Nt P-FORB	Virginia Sneezeweed
HELBIC	6	Helianthemum bicknellii	Nt P-FORB	Hoary Rockrose
HELCAN	10	Helianthemum canadense	Nt P-FORB	Canada Rockrose
HELLAE	6	Helianthus × laetiflorus	Nt P-FORB	Prairie Sunflower
HELANG	8	Helianthus angustifolius	Nt P-FORB	Swamp Sunflower
HELANN	0	Helianthus annuus	Nt A-FORB	Garden Sunflower
HELDEC	9	Helianthus decapetalus	Nt P-FORB	Pale Sunflower
HELDIV	6	Helianthus divaricatus	Nt P-FORB	Woodland Sunflower
HELGRO	4	Helianthus grosseserratus	Nt P-FORB	Sawtooth Sunflower
HELHIR	4	Helianthus hirsutus	Nt P-FORB	Oblong Sunflower
HELMAX	5	Helianthus maximiliani	Nt P-FORB	Maximillian Sunflower
HELMIC	8	Helianthus microcephalus	Nt P-FORB	Small Wood Sunflower
HELMOL	6	Helianthus mollis	Nt P-FORB	Downy Sunflower
HELOCC	5	Helianthus occidentalis	Nt P-FORB	Western Sunflower
HELPAP†	5	Helianthus pauciflorus subsp pauciflorus	Nt P-FORB	Showy Sunflower
HELPAS†	*	HELIANTHUS PAUCIFLORUS subsp SUBRHOMBOIDEUS	Ad P-FORB	Stiff Sunflower
HELPET	*	HELIANTHUS PETIOLARIS◄	Ad A-FORB	Kansas Sunflower
HELSAL	8	Helianthus salicifolius	Nt P-FORB	Willow-Leaved Sunflower
HELSIL	7	Helianthus silphioides	Nt P-FORB	Ozark Sunflower
HELSTR	7	Helianthus strumosus◄	Nt P-FORB	Pale-Leaved Sunflower
HELTUB	3	Helianthus tuberosus	Nt P-FORB	Jerusalem Artichoke
HELHEH†	5	Heliopsis helianthoides var helianthoides◄	Nt P-FORB	False Sunflower
HELHES†	5	Heliopsis helianthoides var scabra◄	Nt P-FORB	Woodland False Sunflower
HELAMP	*	HELIOTROPIUM AMPLEXICAULE	Ad P-FORB	Clasping Heliotrope
HELCUR	2	Heliotropium curassavicum	Nt A-FORB	Seaside Heliotrope
HELIND	*	HELIOTROPIUM INDICUM	Ad A-FORB	Indian Heliotrope
HELPRO	*	HELIOTROPIUM PROCUMBENS◄	Ad A-FORB	Fourspike Heliotrope
HELTEN	8	Heliotropium tenellum	Nt A-FORB	Glade Heliotrope
HELECH	*	HELMINOTHECA ECHIOIDES	Ad A-FORB	Ox-Tongue
HEMFUL	*	HEMEROCALLIS FULVA	Ad P-FORB	Orange Day Lily
HERSPH	6	Heracleum sphondylium subsp montanum	Nt P-FORB	Cow Parsnip
HESMAT	*	HESPERIS MATRONALIS	Ad P-FORB	Dame's Rocket
HETDUB	7	Heteranthera dubia	Nt P-FORB	Water Star-Grass

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
HETLIM	5	Heteranthera limosa	Nt A-FORB	Mud Plantain
HETMUL	5	Heteranthera multiflora	Nt A-FORB	Bouquet Mud Plantain
HETREN	10	Heteranthera reniformis	Nt A-FORB	Kidney-Leaf Mud Plantain
HETROT	5	Heteranthera rotundifolia	Nt A-FORB	Roundleaf Mud Plantain
HETCAM	1	Heterotheca camporum	Nt P-FORB	Narrow-Leaved Golden Aster
HETCAN	10	Heterotheca canescens	Nt P-FORB	Hairy Golden Aster
HETSUB	2	Heterotheca subaxillaris	Nt A-FORB	Broad-Leaved Golden Aster
HEUAME	7	Heuchera americana	Nt P-FORB	Alum Root
HEUPAA†	10	Heuchera parviflora var parviflora	Nt P-FORB	Small-Flowered Alum Root
HEUPAU†	10	Heuchera parviflora var puberula	Nt P-FORB	Small-Flowered Alum Root
HEURIC	6	Heuchera richardsonii	Nt P-FORB	Prairie Alum Root
HEUVIL	10	Heuchera villosa	Nt P-FORB	Hairy Alum Root
HEXSPI	8	Hexalectris spicata	Nt P-FORB	Crested Coral Root
HIBLAE	4	Hibiscus laevis	Nt P-FORB	Halberd-Leaved Rose Mallow
HIBLAS	5	Hibiscus lasiocarpos	Nt P-FORB	Rose Mallow
HIBSYR	*	HIBISCUS SYRIACUS	Ad SHRUB	Rose Of Sharon
HIBTRI	*	HIBISCUS TRIONUM	Ad A-FORB	Flower-Of-An-Hour
HIECAE	*	HIERACIUM CAESPITOSUM	Ad P-FORB	Yellow King Devil
HIEGRO	4	Hieracium gronovii	Nt P-FORB	Hairy Hawkweed
HIELON	6	Hieracium longipilum	Nt P-FORB	Long-Bearded Hawkweed
HIESCA	7	Hieracium scabrum	Nt P-FORB	Rough Hawkweed
HOLLAN	*	HOLCUS LANATUS	Ad P-GRASS	Velvet Grass
HOLUMB	*	HOLOSTEUM UMBELLATUM	Ad A-FORB	Jagged Chickweed
HORJUB	0	Hordeum jubatum	Nt P-GRASS	Squirrel-Tail Grass
HORPUS	0	Hordeum pusillum	Nt A-GRASS	Little Barley
HORVUL	*	HORDEUM VULGARE	Ad A-GRASS	Barley
HOTINF	10	Hottonia inflata	Nt A-FORB	Water Violet
HOUCAE	6	Houstonia caerulea	Nt A-FORB	Bluets
HOULOL†	5	Houstonia longifolia var longifolia◀	Nt P-FORB	Long-Leaved Bluets
HOULOT†	5	Houstonia longifolia var tenuifolia◀	Nt P-FORB	Long-Leaved Bluets
HOUMIC	4	Houstonia micrantha	Nt A-FORB	Southern Bluets
HOUNIG	5	Houstonia nigricans	Nt P-FORB	Narrow-Leaved Bluets
HOUPUR	6	Houstonia purpurea	Nt P-FORB	Broad-Leaved Bluets
HOUPUS	3	Houstonia pusilla	Nt A-FORB	Least Bluets
HOUROS	10	Houstonia rosea	Nt A-FORB	Rose Bluets
HUMJAP	*	HUMULUS JAPONICUS	Ad A-FORB	Japanese Hop
HUMLUL†	*	Humulus lupulus var lupulus	Ad P-FORB	European Hop
HUMLUN†	2	Humulus lupulus var neomexicanus	Nt P-FORB	Western Hop

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
HUMLUB†	2	Humulus lupulus var pubescens	Nt P-FORB	American Hop
HUPLUC	10	Huperzia lucidula	Nt FERN	Shining Clubmoss
HUPPOR	10	Huperzia porophila	Nt FERN	Fir Clubmoss
HYDARB	7	Hydrangea arborescens	Nt SHRUB	Wild Hydrangea
HYDSCA†	6	Hydrastis canadensis	Nt P-FORB	Golden Seal
HYDIVE†	*	HYDRILLA VERTICILLATA	Ad P-FORB	Water-Thyme
HYDRAN	0	Hydrocotyle ranunculoides	Nt P-FORB	Floating Water Pennywort
HYDOVE†	10	Hydrocotyle verticillata	Nt P-FORB	Whorled Water Pennywort
HYDOVA	10	Hydrolea ovata	Nt P-FORB	Blue Waterleaf
HYDUNI	6	Hydrolea uniflora	Nt P-FORB	One-Flower False-Fiddle-Leaf
HYDAPP	6	Hydrophyllum appendiculatum	Nt P-FORB	Great Waterleaf
HYDPCA†	7	Hydrophyllum canadense	Nt P-FORB	Canada Waterleaf
HYDVIR	4	Hydrophyllum virginianum	Nt P-FORB	Virginia Waterleaf
HYLGLU	3	Hylodesmum glutinosim	Nt P-FORB	Pointed Tick Trefoil
HYLNUD	4	Hylodesmum nudiflorum	Nt P-FORB	Bare-Stemmed Tick Trefoil
HYLPAU	8	Hylodesmum pauciflorum	Nt P-FORB	Small-Flowered Tick Trefoil
HYMCAR	8	Hymenocallis caroliniana	Nt P-FORB	Spider Lily
HYMSCA	7	Hymenopappus scabiosaeus	Nt B-FORB	Old Plainsman
HYPADP	10	Hypericum adpressum	Nt P-FORB	Creeping St John's Wort
HYPASC	10	Hypericum ascyron subsp pyramidatum	Nt P-FORB	Great St John's Wort
HYPDRU	4	Hypericum drummondii	Nt A-FORB	Nits And Lice
HYPGEN	5	Hypericum gentianoides	Nt A-FORB	Orange Grass
HYPGYM	7	Hypericum gymnanthum	Nt A-FORB	Clasping St John's Wort
HYPHYP	8	Hypericum hypericoides	Nt P-FORB	Sand St Andrew's Cross
HYPLOB	9	Hypericum lobocarpum	Nt P-FORB	Bushy St John's Wort
HYPMAJ	10	Hypericum majus	Nt P-FORB	Large St John's Wort
HYPMUT	4	Hypericum mutilum	Nt P-FORB	Weak St John's Wort
HYPPER	*	HYPERICUM PERFORATUM	Ad P-FORB	Common St John's Wort
HYPPRO	4	Hypericum prolificum	Nt SHRUB	Shrubby St John's Wort
HYPPSE	3	Hypericum pseudomaculatum	Nt P-FORB	False Spotted St John's Wort
HYPPUN	3	Hypericum punctatum	Nt P-FORB	Spotted St John's Wort
HYPSPH	5	Hypericum sphaerocarpum	Nt P-FORB	Round-Fruited St John's Wort
HYPSTR	6	Hypericum strangulum	Nt P-FORB	Common St Andrew's Cross
HYPRAD	*	HYPOCHAERIS RADICATA	Ad P-FORB	Cat's Ear
HYPHIR	5	Hypoxis hirsuta	Nt P-FORB	Yellow Star Grass
ILEDEC	5	Ilex decidua	Nt SHRUB	Possum Haw
ILEOPA	7	Ilex opaca	Nt TREE	American Holly
ILEVER	10	Ilex verticillata	Nt SHRUB	Winterberry

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ILEVOM	*	ILEX VOMITORIA	Ad SHRUB	Yaupon
IMPBAL	*	IMPATIENS BALSAMINEA	Ad A-FORB	Garden Balsam
IMPCAP	3	Impatiens capensis	Nt A-FORB	Orange Jewelweed
IMPPAL	5	Impatiens pallida	Nt A-FORB	Yellow Jewelweed
INUBRI	*	INULA BRITANNICA	Ad P-FORB	British Yellowhead
INUHEL	*	INULA HELENIUM	Ad P-FORB	Elecampane
IODPIN	7	Iodanthus pinnatifidus	Nt P-FORB	Violet Cress
IONLIN	9	Ionactis linariifolius	Nt P-FORB	Flax-Leaved Aster
IPOAMN	*	IPOMOEA AMNICOLA	Ad P-FORB	Ivy-Leaved Morning Glory
IPOCOC	*	IPOMOEA COCCINEA	Ad A-FORB	Scarlet Morning-Glory
IPOHED	*	IPOMOEA HEDERACEA	Ad A-FORB	Red Morning Glory
IPOLAC	1	Ipomoea lacunosa	Nt A-FORB	Small Morning Glory
IPOPAN	2	Ipomoea pandurata	Nt P-FORB	Wild Sweet Potato
IPOPUR	*	IPOMOEA PURPUREA	Ad A-FORB	Common Morning Glory
IPOQUA	*	IPOMOEA QUAMOCLIT	Ad A-FORB	Cypress Vine
IPOTRI	*	IPOMOEA TRICOLOR	Ad A-FORB	Grannyvine
IPORUB	*	IPOMOPSIS RUBRA	Ad B-FORB	Standing Cypress
IRERHI	5	Iresine rhizomatosa	Nt P-FORB	Bloodleaf
IRIBRE	10	Iris brevicaulis	Nt P-FORB	Short-Stemmed Iris
IRICRI	8	Iris cristata	Nt P-FORB	Crested Iris
IRIFUL	9	Iris fulva	Nt P-FORB	Copper Iris
IRIGER	*	IRIS GERMANICA	Ad P-FORB	German Iris
IRIORI	*	IRIS ORIENTALIS	Ad P-FORB	Asian Iris
IRIPAL	*	IRIS PALLIDA	Ad P-FORB	Sweet Iris
IRIPSE	*	IRIS PSEUDOACORUS	Ad P-FORB	Yellow Iris
IRIPUM	*	IRIS PUMILA	Ad P-FORB	Dwarf Bearded Iris
IRIVER	*	IRIS VERNA	Ad P-FORB	Early Iris
IRIVIR	6	Iris virginica var. shrevei	Nt P-FORB	Blue Flag
ISATIN	*	ISATIS TINCTORIA	Ad P-FORB	Woad
ISOBUT	8	Isoetes butleri	Nt FERN	Butler's Quillwort
ISOENG	10	Isoetes engelmannii	Nt FERN	Engelmann's Quillwort
ISOMEL	7	Isoetes melanopoda	Nt FERN	Quillwort
ISOCAR	6	Isolepis carinata	Nt A-SEDGE	Keeled Bulrush
ISOMOL	8	Isolepis molesta	Nt A-SEDGE	Gulf Coast Bulrush
ISOBIT	5	Isopyrum biternatum	Nt P-FORB	False Rue Anemone
ISOMED	10	Isotria medeoloides	Nt P-FORB	Small Whorled Pogonia
ISOVER	10	Isotria verticillata	Nt P-FORB	Large Whorled Pogonia
ITEVIR	10	Itea virginica	Nt SHRUB	Virginia Willow
IVAANG	*	IVA ANGUSTIFOLIA	Ad A-FORB	Narrowleaf Marsh Elder

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
IVAANN	1	Iva annua	Nt A-FORB	Marsh Elder
JACTAM	*	JACQUEMONTIA TAMNIFOLIA	Ad A-FORB	Hairy Cluster Vine
JASNUD	*	JASMINUM NUDIFLORUM	Ad SHRUB	Winter Jasmine
JUGCIN	7	Juglans cinerea	Nt TREE	Butternut
JUGNIG	4	Juglans nigra	Nt TREE	Black Walnut
JUNACU	4	Juncus acuminatus	Nt P-FORB	Sharp-Fruited Rush
JUNALP	10	Juncus alpinoarticulatus	Nt P-FORB	Richardson's Rush
JUNBAL	10	Juncus balticus subsp littoralis	Nt P-FORB	Lake Shore Rush
JUNBIF	5	Juncus biflorus	Nt P-FORB	Two-Flowered Rush
JUNBRC†	7	Juncus brachycarpus	Nt P-FORB	Short-Fruited Rush
JUNBRP†	7	Juncus brachyphyllus	Nt P-FORB	Small-Headed Rush
JUNBUF	3	Juncus bufonius	Nt A-FORB	Toad Rush
JUNCAN	10	Juncus canadensis	Nt P-FORB	Canadian Rush
JUNDEB	10	Juncus debilis	Nt P-FORB	Weak Rush
JUNDIF	5	Juncus diffusissimus	Nt P-FORB	Slimpod Rush
JUNDUD	6	Juncus dudleyi	Nt P-FORB	Dudley's Rush
JUNEFF	4	Juncus effusus subsp solutus	Nt P-FORB	Common Rush
JUNFIL	10	Juncus filipendulus◀	Nt P-FORB	Glade Rush
JUNGER	*	JUNCUS GERARDII	Ad P-FORB	Black Grass
JUNINT	5	Juncus interior	Nt P-FORB	Inland Rush
JUNMAR	4	Juncus marginatus	Nt P-FORB	Grass-Leaved Rush
JUNNOT†	6	Juncus nodatus	Nt P-FORB	Stout Rush
JUNNOS†	10	Juncus nodosus	Nt P-FORB	Joint Rush
JUNSCI	9	Juncus scirpoides	Nt P-FORB	Round-Leaved Rush
JUNSEC	5	Juncus secundus	Nt P-FORB	Secund Rush
JUNSUB	10	Juncus subcaudatus	Nt P-FORB	Fen Rush
JUNTEA†	2	Juncus tenuis var anthelatus	Nt P-FORB	Path Rush
JUNTET†	0	Juncus tenuis var tenuis	Nt P-FORB	Path Rush
JUNTOR	4	Juncus torreyi	Nt P-FORB	Torrey's Rush
JUNVAL	10	Juncus validus	Nt P-FORB	Round-Head Rush
JUNASH	8	Juniperus ashei	Nt TREE	Ashe's Juniper
JUNVIR	2	Juniperus virginiana	Nt TREE	Red Cedar
JUSAME	5	Justicia americana	Nt P-FORB	Water Willow
JUSOVA	9	Justicia ovata	Nt P-FORB	Loose-Flower Water Willow
KALPAR	*	KALLSTROEMIA PARVIFLORA	Ad A-FORB	Small-Flowered Caltrop
KICELA	*	KICKXIA ELATINE	Ad A-FORB	Fluellin
KICSPU	*	KICKXIA SPURIA	Ad A-FORB	Female Fluellin
KNAARV	*	KNAUTIA ARVENSIS	Ad P-FORB	Field Scabiosa
KOCSCO	*	KOCHIA SCOPARIA	Ad A-FORB	Burning Bush

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
KOEMAC	6	Koeleria macrantha	Nt P-GRASS	June Grass
KOEPAN	*	KOELREUTERIA PANICULATA	Ad TREE	Golden Rain Tree
KOLAMA	*	KOLKWITZIA AMABILIS	Ad SHRUB	Beauty Bush
KRIBIF	5	Krigia biflora	Nt P-FORB	Orange False Dandelion
KRICAE	2	Krigia caespitosa	Nt A-FORB	Opposite-Leaved Dwarf Dandelion
KRIDAN	6	Krigia dandelion	Nt P-FORB	Potato Dandelion
KRIOCC	7	Krigia occidentalis	Nt A-FORB	Western Dwarf Dandelion
KRIVIR	3	Krigia virginica	Nt A-FORB	Common Dwarf Dandelion
KUMSTI	*	KUMMEROWIA STIPULACEA	Ad A-FORB	Korean Bush Clover
KUMSTR	*	KUMMEROWIA STRIATA	Ad A-FORB	Japanese Bush Clover
KYLGRA	*	KYLLINGA GRACILLIMA	Ad P-SEDGE	Pasture Spikesedge
KYLPUM	3	Kyllinga pumila	Nt A-SEDGE	Thin-Leaf Flatsedge
LABPUR	*	LABLAB PURPUREUS	Ad P-FORB	Hyacinth Bean
LACCAN	3	Lactuca canadensis	Nt B-FORB	Wild Lettuce
LACFLO	3	Lactuca floridana	Nt B-FORB	Blue Lettuce
LACHIR	4	Lactuca hirsuta	Nt A-FORB	Hairy Lettuce
LACLUD	10	Lactuca ludoviciana	Nt B-FORB	Western Wild Lettuce
LACSAL	*	LACTUCA SALIGNA	Ad B-FORB	Willow Lettuce
LACSER	*	LACTUCA SERRIOLA	Ad B-FORB	Prickly Lettuce
LACTAT	10	Lactuca tatarica subsp pulchella	Nt P-FORB	Showy Blue Lettuce
LAGSIC	*	LAGENARIA SICERARIA	Ad A-FORB	Bottle Gourd
LAMAMP	*	LAMIUM AMPLEXICAULE	Ad P-FORB	Henbit
LAMHYB	*	LAMIUM HYBRIDUM	Ad A-FORB	Cut-Leaved Dead Nettle
LAMPUR	*	LAMIUM PURPUREUM	Ad P-FORB	Purple Dead Nettle
LAPCAN	4	Laportea canadensis	Nt P-FORB	Wood Nettle
LAPRED	*	LAPPULA REDOWSKII	Ad A-FORB	Hairy Stick-Seed
LAPSQU	*	LAPPULA SQUARROSA	Ad A-FORB	Beggar's Lice
LAPCOM	*	LAPSANA COMMUNIS	Ad A-FORB	Nipplewort
LATHIR	*	LATHYRUS HIRSUTUS	Ad A-FORB	Caley Pea
LATLAT	*	LATHYRUS LATIFOLIUS	Ad P-FORB	Everlasting Pea
LATPAL	10	Lathyrus palustris	Nt P-FORB	Marsh Vetchling
LATPUS	10	Lathyrus pusillus	Nt A-FORB	Singletary Vetchling
LATSYL	*	LATHYRUS SYLVESTRIS	Ad P-FORB	Flat Pea
LATTUB	*	LATHYRUS TUBEROSUS	Ad P-FORB	Dutch Mice
LATVEN	8	Lathyrus venosus	Nt P-FORB	Veiny Pea
LAVTRI	*	LAVATERA TRIMESTRIS	Ad A-FORB	Annual Mallow
LEAUNI	7	Leavenworthia uniflora	Nt A-FORB	Michaux's Leavenworthia
LECMUC	5	Lechea mucronata	Nt P-FORB	Hairy Pinweed
LECRAC	10	Lechea racemulosa	Nt P-FORB	Narrow-Fruited Pinweed

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
LECTEN	4	Lechea tenuifolia	Nt P-FORB	Slender-Leaved Pinweed
LEELEN	7	Leersia lenticularis	Nt P-GRASS	Catchfly Grass
LEEORY	3	Leersia oryzoides	Nt P-GRASS	Rice Cut Grass
LEEVIO†	7	Leersia virginica var ovata◄	Nt P-GRASS	White Grass
LEEVIV†	4	Leersia virginica var virginica◄	Nt P-GRASS	White Grass
LEIFLO	9	Leitneria floridana	Nt SHRUB	Corkwood
LEMAEQ	5	Lemna aequinoctialis	Nt P-FORB	Lesser Duckweed
LEMMIR†	4	Lemna minor	Nt P-FORB	Common Duckweed
LEMMIT†	6	Lemna minuta	Nt P-FORB	Least Duckweed
LEMOBS	7	Lemna obscura	Nt P-FORB	Little Duckweed
LEMPER	8	Lemna perpusilla	Nt P-FORB	Minute Duckweed
LEMTRI	10	Lemna trisulca	Nt P-FORB	Forked Duckweed
LEMTUR	10	Lemna turionifera	Nt P-FORB	Turion Duckweed
LEMVAL	7	Lemna valdiviana	Nt P-FORB	Pale Duckweed
LEOTAR	*	LEONTODON TARAXACOIDES	Ad P-FORB	Lesser Hawkbit
LEOCAR	*	LEONURUS CARDIACA	Ad P-FORB	Motherwort
LEOJAP	*	LEONURUS JAPONICUS	Ad B-FORB	Siberian Motherwort
LEOMAR	*	LEONURUS MARRUBIASTRUM	Ad B-FORB	Lion's Tail
LEPAPP	*	LEPIDIUM APPELIANUM	Ad P-FORB	Hairy Whitetop
LEPCAM	*	LEPIDIUM CAMPESTRE	Ad B-FORB	Field Cress
LEPCHA	*	LEPIDIUM CHALAPENSE	Ad P-FORB	Hoary Cress
LEPDEN	*	LEPIDIUM DENSIFLORUM◄	Ad A-FORB	Small Pepper Cress
LEPDID	*	LEPIDIUM DIDYMUM	Ad A-FORB	Wart Cress
LEPDRA	*	LEPIDIUM DRABA	Ad P-FORB	Common Whitetop
LEPLAT	*	LEPIDIUM LATIFOLIUM	Ad P-FORB	Broad-Leaved Pepper Cress
LEPPER	*	LEPIDIUM PERFOLIATUM	Ad A-FORB	Clasping Cress
LEPRUD	*	LEPIDIUM RUDERALE	Ad A-FORB	Stinking Peppercress
LEPVIR	0	Lepidium virginicum	Nt A-FORB	Common Pepper Cress
LEPDUB	*	LEPTOCHLOA DUBIA	Ad P-GRASS	Green Sprangletop
LEPFUF†	3	Leptochloa fusca subsp fascicularis	Nt A-GRASS	Bearded Strangletop
LEPFUU†	*	LEPTOCHLOA FUSCA subsp UNINERVIA	Ad A-GRASS	Mexican Sprangletop
LEPPAB†	3	Leptochloa panicea subsp brachiata	Nt A-GRASS	Red Sprangletop
LEPPAM†	3	Leptochloa panicea subsp mucronata	Nt A-GRASS	Red Sprangletop
LEPPAS†	5	Leptochloa panicoides	Nt A-GRASS	Amazon Strangletop
LESBIC	*	LESPEDEZA BICOLOR	Ad P-FORB	Bicolor Lespedeza
LESCAP	6	Lespedeza capitata	Nt P-FORB	Round-Headed Bush Clover
LESCUN	*	LESPEDEZA CUNEATA	Ad P-FORB	Silky Bush Clover
LESFRU	5	Lespedeza frutescens◄	Nt P-FORB	Violet Bush Clover
LESHIR	7	Lespedeza hirta	Nt P-FORB	Hairy Bush Clover

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
LESPRA	7	Lespedeza prairea◄	Nt P-FORB	Tallgrass Bush Clover
LESPRO	4	Lespedeza procumbens	Nt P-FORB	Trailing Bush Clover
LESREP	4	Lespedeza repens	Nt P-FORB	Creeping Bush Clover
LESSTU	7	Lespedeza stuevei	Nt P-FORB	Stueve's Bush Clover
LESTHU	*	LESPEDEZA THUNBERGII	Ad P-FORB	Tall Bush Clover
LESVIO	6	Lespedeza violacea	Nt P-FORB	Wandlike Bush Clover
LESVIR	5	Lespedeza virginica	Nt P-FORB	Slender Bush Clover
LEUVUL	*	LEUCANTHEMUM VULGARE	Ad P-FORB	Ox-Eye Daisy
LEUAES	*	LEUCOJUM AESTIVUM	Ad P-FORB	Snowflake
LEUMUL	3	Leucospora multifida	Nt A-FORB	Obe-Wan-Conobea
LEVOFF	*	LEVISTICUM OFFICINALE	Ad P-FORB	Lovage
LIAASP	6	Liatris aspera	Nt P-FORB	Rough Blazing Star
LIACYL	7	Liatris cylindracea	Nt P-FORB	Cylindrical Blazing Star
LIAMUC	10	Liatris mucronata	Nt P-FORB	Narrow-Leaf Gayfeather
LIAPUN	10	Liatris punctata	Nt P-FORB	Dotted Blazing Star
LIAPYC	6	Liatris pycnostachya	Nt P-FORB	Prairie Blazing Star
LIASCA	9	Liatris scariosa var nieuwlandii	Nt P-FORB	Blazing Star
LIASPI	10	Liatris spicata	Nt P-FORB	Marsh Blazing Star
LIASQH†	6	Liatris squarrosa var hirsuta	Nt P-FORB	Hairy Blazing Star
LIASQS†	6	Liatris squarrosa var squarrosa	Nt P-FORB	Scaly Blazing Star
LIASQL†	8	Liatris squarrulosa	Nt P-FORB	Scabrous Blazing Star
LIGCAN	8	Ligusticum canadense	Nt P-FORB	Angelico
LIGOBT	*	LIGUSTRUM OBTUSIFOLIUM	Ad SHRUB	Border Privet
LIGOVA	*	LIGUSTRUM OVALIFOLIUM	Ad SHRUB	California Privet
LIGSIN	*	LIGUSTRUM SINENSE	Ad SHRUB	Chinese Privet
LIGVUL	*	LIGUSTRUM VULGARE	Ad SHRUB	European Privet
LILLAN	*	LILIUM LANCIFOLIUM	Ad P-FORB	Tiger Lily
LILMIC	7	Lilium michiganense	Nt P-FORB	Michigan Lily
LILPHI	10	Lilium philadelphicum var andinum	Nt P-FORB	Prairie Lily
LILSUP	10	Lilium superbum	Nt P-FORB	Turk's-Cap Lily
LIMSPO	10	Limnobium spongia	Nt P-FORB	American Frogbit
LIMPIN	7	Limnosciadium pinnatum	Nt A-FORB	Pinnate Cynosciadium
LINVUL	*	LINARIA VULGARIS	Ad P-FORB	Butter-And-Eggs
LINBEN	5	Lindera benzoin	Nt SHRUB	Spicebush
LINMEL	10	Lindera melissifolia	Nt SHRUB	Pond Berry
LINDUA†	4	Lindernia dubia var anagallidea◄	Nt A-FORB	Slender False Pimpernel
LINDUD†	4	Lindernia dubia var dubia◄	Nt A-FORB	Slender False Pimpernel
LINFLO	10	Linum floridanum	Nt P-FORB	Florida Yellow Flax
LINMED	5	Linum medium var texanum	Nt P-FORB	Small Yellow Flax

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
LINRIG	*	LINUM RIGIDUM	Ad A-FORB	Stiff-Stem Flax
LINSTR	6	Linum striatum	Nt P-FORB	Stiff Yellow Flax
LINSUL	5	Linum sulcatum	Nt A-FORB	Grooved Yellow Flax
LINUSI	*	LINUM USITATISSIMUM	Ad A-FORB	Common Flax
LINVIR	10	Linum virginianum	Nt P-FORB	Woodland Yellow Flax
LIPLIL	7	Liparis liliifolia	Nt P-FORB	Purple Twayblade
LIPLOE	10	Liparis loeselii	Nt P-FORB	Green Twayblade
LIPARI	7	Lipocarpha aristulata	Nt A-SEDGE	Glade Dwarf Bulrush
LIPDRU	8	Lipocarpha drummondii	Nt A-SEDGE	Sand Dwarf Bulrush
LIPMIC	5	Lipocarpha micrantha	Nt A-SEDGE	Common Dwarf Bulrush
LIPLAN	3	Lippia lanceolata	Nt P-FORB	Fog Fruit
LIPNOD	10	Lippia nodiflora	Nt P-FORB	Common Fog Fruit
LIQSTY	6	Liquidamber styraciflua	Nt TREE	Sweet Gum
LIRTUL	7	Liriodendron tulipifera	Nt TREE	Tulip Tree
LIRMUS	*	LIRIOPE MUSCARI	Ad P-FORB	Big Blue Lilyturf
LIRSPI	*	LIRIOPE SPICATA	Ad P-FORB	Creeping Lilyturf
LISAUS	10	Listera australis	Nt P-FORB	Southern Twayblade
LITCAN	6	Lithospermum canescens	Nt P-FORB	Hoary Puccoon
LITCAR	7	Lithospermum carolinense	Nt P-FORB	Hairy Puccoon
LITINC	7	Lithospermum incisum	Nt P-FORB	Fringed Puccoon
LITLAT	9	Lithospermum latifolium	Nt P-FORB	Broad-Leaved Puccoon
LOBCAR	6	Lobelia cardinalis	Nt P-FORB	Cardinal Flower
LOBINF	3	Lobelia inflata	Nt A-FORB	Indian Tobacco
LOBPUB	10	Lobelia puberula	Nt P-FORB	Downy Lobelia
LOBSIP	4	Lobelia siphilitica	Nt P-FORB	Great Blue Lobelia
LOBSPI	5	Lobelia spicata	Nt P-FORB	Pale Spiked Lobelia
LOBMAR	*	LOBULARIA MARITIMA	Ad P-FORB	Sweet Alyssum
LOLPEA†	*	LOLIUM PERENNE var ARISTATUM	Ad A-GRASS	Italian Rye Grass
LOLPEP†	*	LOLIUM PERENNE var PERENNE	Ad P-GRASS	Perennial Rye Grass
LOLPES†	*	LOLIUM PERSICUM	Ad A-GRASS	Asian Rye Grass
LOLRIG	*	LOLIUM RIGIDUM	Ad P-GRASS	Swiss Rye Grass
LOLTEM	*	LOLIUM TEMULENTUM	Ad A-GRASS	Darnel
LOMFOE	9	Lomatium foeniculaceum	Nt P-FORB	Hairy Parsley
LONBEL	*	LONICERA × BELLA	Ad SHRUB	Showy Fly Honeysuckle
LONPER	*	LONICERA × PERPUSII	Ad SHRUB	Garden Honeysuckle
LONDIO	8	Lonicera dioica	Nt W-VINE	Red Honeysuckle
LONFLA	7	Lonicera flava	Nt W-VINE	Yellow Honeysuckle
LONFRA	*	LONICERA FRAGRANTISSIMA	Ad SHRUB	Winter Honeysuckle
LONJAP	*	LONICERA JAPONICA	Ad W-VINE	Japanese Honeysuckle

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
LONMAA	*	LONICERA MAACKII	Ad SHRUB	Amur Honeysuckle
LONRET	8	Lonicera reticulata	Nt W-VINE	Grape Honeysuckle
LONSEM	*	LONICERA SEMPERVIRENS	Ad W-VINE	Trumpet Honeysuckle
LOTCOR	*	LOTUS CORNICULATUS	Ad P-FORB	Bird's Foot Trefoil
LUDALT	4	Ludwigia alternifolia	Nt P-FORB	Seedbox
LUDDEC	6	Ludwigia decurrens	Nt P-FORB	Primrose Willow
LUDGLA	8	Ludwigia glandulosa	Nt P-FORB	Small-Flowered Water-Primrose
LUDGRA	*	LUDWIGIA GRANDIFLORA	Ad P-FORB	Uruguay Primrose Willow
LUDLEP	10	Ludwigia leptocarpa	Nt P-FORB	Hairy Primrose Willow
LUDLIN	10	Ludwigia linearis	Nt P-FORB	Narrow-Leaved Primrose Willow
LUDMIC	10	Ludwigia microcarpa	Nt P-FORB	Small-Fruited False Loosestrife
LUDPAL	4	Ludwigia palustris	Nt P-FORB	Marsh Purslane
LUDPEP	3	Ludwigia peploides subsp glabrescens	Nt P-FORB	Creeping Primrose Willow
LUDPOL	6	Ludwigia polycarpa	Nt P-FORB	False Loosestrife
LUNANN	*	LUNARIA ANNUA	Ad B-FORB	Money Plant
LUZCAB†	4	Luzula campestris var bulbosa	Nt P-FORB	Wood Rush
LUZCAE†	4	Luzula campestris var echinata	Nt P-FORB	Wood Rush
LUZCAU†	4	Luzula campestris var multiflora	Nt P-FORB	Wood Rush
LYCCOR	*	LYCHNIS CORONARIA	Ad P-FORB	Mullein Pink
LYCBAR	*	LYCIUM BARBARUM	Ad SHRUB	Matrimony Vine
LYCCHI	*	LYCIUM CHINENSE	Ad SHRUB	Chinese Matrimony Vine
LYCDEN	10	Lycopodium dendroideum	Nt FERN	Round-Branched Clubmoss
LYCDIG	8	Lycopodium digitatum	Nt FERN	Southern Ground-Cedar
LYCTRI	10	Lycopodium tristachyum	Nt FERN	Ground Cedar
LYCAME	4	Lycopus americanus	Nt P-FORB	Common Water Horehound
LYCASP	10	Lycopus asper	Nt P-FORB	Rough Water Horehound
LYCRUB	6	Lycopus rubellus	Nt P-FORB	Stalked Water Horehound
LYCUNI	8	Lycopus uniflorus	Nt P-FORB	Northern Bugleweed
LYCVIR	5	Lycopus virginicus	Nt P-FORB	Bugle Weed
LYGJUN	10	Lygodesmia juncea	Nt P-FORB	Skeleton Plant
LYOMAR	10	Lyonia mariana	Nt SHRUB	Stagger Bush
LYSCIL	5	Lysimachia ciliata	Nt P-FORB	Fringed Loosestrife
LYSHYB	7	Lysimachia hybrida	Nt P-FORB	Hybrid Loosestrife
LYSLAN	4	Lysimachia lanceolata	Nt P-FORB	Lance-Leaved Loosestrife
LYSNUM	*	LYSIMACHIA NUMMULARIA	Ad P-FORB	Moneywort
LYSQUA	8	Lysimachia quadriflora	Nt P-FORB	Narrow-Leaved Loosestrife
LYSRAD	10	Lysimachia radicans	Nt P-FORB	Creeping Loosestrife
LYSTER	10	Lysimachia terrestris	Nt P-FORB	Swamp Candles

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
LYSTHY	10	Lysimachia thyrsiflora	Nt P-FORB	Tufted Loosestrife
LYSVUL	*	LYSIMACHIA VULGARIS	Ad P-FORB	Garden Loosestrife
LYTALA	6	Lythrum alatum	Nt P-FORB	Winged Loosestrife
LYTSAL	*	LYTHRUM SALICARIA	Ad P-FORB	Purple Loosestrife
MACPOM	*	MACLURA POMIFERA	Ad TREE	Osage Orange
MAGACU	7	Magnolia acuminata	Nt TREE	Cucumber Tree
MAGTRI	*	MAGNOLIA TRIPETALA	Ad TREE	Umbrella Tree
MAIRAC	4	Maianthemum racemosum	Nt P-FORB	Feathery False Solomon's Seal
MAISTE	7	Maianthemum stellatum	Nt P-FORB	Starry False Solomon's Seal
MALUNI	9	Malaxis unifolia	Nt P-FORB	Green Adder's Mouth
MALSOU	*	MALUS × SOULARDII	Ad TREE	Soulard Crab
MALUAN†	10	Malus angustifolia	Nt TREE	Wild Crab
MALBAC	*	MALUS BACCATA	Ad TREE	Siberian Crab
MALCOR	5	Malus coronaria	Nt TREE	Wild Sweet Crab
MALDOM	*	MALUS DOMESTICA	Ad TREE	Apple
MALFLO	*	MALUS FLORIBUNDA	Ad TREE	Japanese Crab
MALIOE	3	Malus ioensis	Nt TREE	Iowa Crab
MALSIE	*	MALUS SIEBOLDII	Ad SHRUB	Toringo Crab
MALMOS	*	MALVA MOSCHATA	Ad P-FORB	Musk Mallow
MALNEG	*	MALVA NEGLECTA	Ad B-FORB	Common Mallow
MALPAR	*	MALVA PARVIFLORA	Ad A-FORB	Little Mallow
MALPUS	*	MALVA PUSILLA	Ad A-FORB	Round-Leaved Mallow
MALSYL	*	MALVA SYLVESTRIS	Ad B-FORB	High Mallow
MALVER	*	MALVA VERTICILLATA	Ad A-FORB	Curled Mallow
MALVAN†	6	Malvastrum angustum	Nt A-FORB	False Mallow
MANVIR	7	Manfreda virginica	Nt P-FORB	American Aloe
MARVUL	*	MARRUBIUM VULGARE	Ad P-FORB	Horehound
MARCAC†	9	Marshallia caespitosa var caespitosa	Nt P-FORB	Barbara's Buttons
MARCAS†	10	Marshallia caespitosa var signata	Nt P-FORB	Narrow-Leaved Barbara's Buttons
MARMUT	*	MARSILEA MUTICA	Ad FERN	Australian Water Clover
MARQUA	*	MARSILEA QUADRIFOLIA	Ad FERN	European Water-Clover
MATBAL	8	Matelea baldwyniana	Nt P-FORB	White Climbing Milkweed
MATDEC	5	Matelea decipiens	Nt P-FORB	Climbing Milkweed
MATCHA	*	MATRICARIA CHAMOMILLA	Ad A-FORB	Chamomile
MATDIS	*	MATRICARIA DISCOIDEA	Ad A-FORB	Pineapple Weed
MATSTR	8	Matteuccia struthiopteris var pensylvanica	Nt FERN	Ostrich Fern
MAZPUM	*	MAZUS PUMILUS	Ad P-FORB	Japanese Magus
MECACU	10	Mecardonia acuminata	Nt P-FORB	Bracted Water Hyssop

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
MEDVIR	10	Medeola virginiana	Nt P-FORB	Indian Cucumber Root
MEDARA	*	MEDICAGO ARABICA	Ad A-FORB	Spotted Medick
MEDLUP	*	MEDICAGO LUPULINA	Ad A-FORB	Black Medick
MEDMIN	*	MEDICAGO MINIMA	Ad A-FORB	Tiny Bur Clover
MEDPOL	*	MEDICAGO POLYMORPHA	Ad A-FORB	Bur Clover
MEDSAT	*	MEDICAGO SATIVA	Ad P-FORB	Alfalfa
MELCIN	*	MELAMPODIUM CINEREUM var RAMOSISSIMUM	Ad P-FORB	Hoary Blackfoot
MELVIR	9	Melanthium virginicum	Nt P-FORB	Bunch Flower
MELAZE	*	MELIA AZEDARACH	Ad TREE	Chinaberry Tree
MELMUT	10	Melica mutica◄	Nt P-GRASS	Narrow Melic Grass
MELNIT	6	Melica nitens	Nt P-GRASS	Tall Melic Grass
MELALB	*	MELILOTUS ALBUS	Ad B-FORB	White Sweet Clover
MELOFF	*	MELILOTUS OFFICINALE	Ad B-FORB	Yellow Sweet Clover
MELOFS†	*	MELISSA OFFICINALIS	Ad P-FORB	Common Balm
MELCOR	*	MELOCHIA CORCHORIFOLIA	Ad A-FORB	Chocolate Weed
MELPEN	8	Melothria pendula	Nt P-FORB	Creeping Cucumber
MENICA†	4	Menispermum canadense	Nt W-VINE	Moonseed
MENGRA	*	MENTHA × GRACILIS	Ad P-FORB	Little-Leaved Mint
MENPIP	*	MENTHA × PIPERITA	Ad P-FORB	Peppermint
MENAQU	*	MENTHA AQUATICA var CITRATA	Ad P-FORB	Lemon Mint
MENTCA†	5	Mentha canadensis	Nt P-FORB	Wild Mint
MENLON	*	MENTHA LONGIFOLIA	Ad P-FORB	Wavy Mint
MENSPI	*	MENTHA SPICATA	Ad P-FORB	Spearmint
MENALB	*	MENTZELIA ALBESCENS	Ad P-FORB	Wavyleaf Stickleaf
MENNUD	*	MENTZELIA NUDA	Ad P-FORB	Bractless Stickleaf
MENOLI	6	Mentzelia oligosperma	Nt P-FORB	Glade Stickleaf
MENTRI	10	Menyanthes trifoliata	Nt P-FORB	Buckbean
MERVIR	6	Mertensia virginica	Nt P-FORB	Virginia Bluebells
MICPEN	10	Micranthes pensylvanica var forbesii	Nt P-FORB	Swamp Saxifrage
MICTEX	9	Micranthes texana	Nt P-FORB	Texas Saxifrage
MICVIR	7	Micranthes virginiensis	Nt P-FORB	Early Saxifrage
MICVIM	*	MICROSTEGIUM VIMINEUM	Ad A-GRASS	Eulalia
MICPER	*	MICROTHLASPI PERFOLIATUM	Ad A-FORB	Perfoliate Pennycress
MIKSCA	5	Mikania scandens	Nt P-FORB	Climbing Hempweed
MIMQUA	6	Mimosa quadrivalvis var nuttallii	Nt P-FORB	Sensitive Briar
MIMALA	5	Mimulus alatus	Nt P-FORB	Winged Monkey Flower
MIMGLA	10	Mimulus glabratus	Nt P-FORB	Yellow Monkey Flower
MIMRIN	5	Mimulus ringens	Nt P-FORB	Monkey Flower
MINMIC	9	Minuartia michauxii	Nt P-FORB	Stiff Sandwort

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
MINMUS	10	Minuartia muscorum	Nt A-FORB	Pitcher's Sandwort
MINPAT	7	Minuartia patula	Nt A-FORB	Slender Sandwort
MIRALB	5	Mirabilis albida	Nt P-FORB	Pale Umbrellawort
MIRLIN	8	Mirabilis linearis	Nt P-FORB	Narrow-Leaved Umbrellawort
MIRNYC	0	Mirabilis nyctaginea	Nt P-FORB	Wild Four O'Clock
MISSAC	*	MISCANTHUS SACCHARIFLORUS	Ad P-GRASS	Amur Silvergrass
MISSIN	*	MISCANTHUS SINENSIS	Ad P-GRASS	Silver Grass
MITREP	7	Mitchella repens	Nt P-FORB	Partridge Berry
MITDIP	8	Mitella diphylla	Nt P-FORB	Bishop's Cap
MITPET	10	Mitreola petiolata	Nt A-FORB	Miterwort
MOELAT	10	Moehringia lateriflora	Nt P-FORB	Grove Sandwort
MOLVER	*	MOLLUGO VERTICILLATA	Ad A-FORB	Carpet Weed
MONBRA	5	Monarda bradburiana	Nt P-FORB	Bradbury Bee Balm
MONCIT	8	Monarda citriodora	Nt A-FORB	Lemon Bee Balm
MONCLI	10	Monarda clinopodia	Nt P-FORB	Basil Bee Balm
MONDID	*	MONARDA DIDYMA	Ad P-FORB	Oswego Tea
MONFIS	4	Monarda fistulosa	Nt P-FORB	Wild Bergamot
MONPEC	*	MONARDA PECTINATA	Ad A-FORB	Plains Bee Balm
MONPUA†	10	Monarda punctata var arkansana	Nt P-FORB	Arkansas Bee Balm
MONPUO†	*	MONARDA PUNCTATA var OCCIDENTALIS	Ad P-FORB	Spotted Bee Balm
MONPUV†	7	Monarda punctata var villicaulis	Nt P-FORB	Horsemint
MONNUT	*	MONOLEPIS NUTTALLIANA	Ad A-FORB	Poverty Weed
MONHYP	8	Monotropa hypopitys	Nt P-FORB	Pinesap
MONUNI	7	Monotropa uniflora	Nt P-FORB	Indian Pipe
MORALB	*	MORUS ALBA	Ad TREE	White Mulberry
MORRUB	4	Morus rubra	Nt TREE	Red Mulberry
MUHASP	1	Muhlenbergia asperifolia	Nt P-GRASS	Scratch Grass
MUHBUS	6	Muhlenbergia bushii	Nt P-GRASS	Short-Leaved Satin Grass
MUHCAP	9	Muhlenbergia capillaris	Nt P-GRASS	Pink Satin Grass
MUHCUS	10	Muhlenbergia cuspidata	Nt P-GRASS	Prairie Satin Grass
MUHFRO	3	Muhlenbergia frondosa	Nt P-GRASS	Common Satin Grass
MUHGLA	7	Muhlenbergia glabrifloris	Nt P-GRASS	Smooth Satin Grass
MUHMEX	6	Muhlenbergia mexicana	Nt P-GRASS	Leafy Satin Grass
MUHRAC	4	Muhlenbergia racemosa	Nt P-GRASS	Upland Wild Timothy
MUHSCH	0	Muhlenbergia schreberi	Nt P-GRASS	Nimblewill
MUHSOB	4	Muhlenbergia sobolifera	Nt P-GRASS	Rock Satin Grass
MUHSYL	5	Muhlenbergia sylvatica	Nt P-GRASS	Woodland Satin Grass
MUHTEN	6	Muhlenbergia tenuiflora	Nt P-GRASS	Slender Satin Grass

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
MUSBOT	*	MUSCARI BOTRYOIDES	Ad P-FORB	Common Grape Hyacinth
MUSCOM	*	MUSCARI COMOSUM	Ad P-FORB	Tassel Grape Hyacinth
MUSRAC	*	MUSCARIA RACEMOSUM	Ad P-FORB	Starch Grape Hyacinth
MYOMAC	3	Myosotis macrosperma	Nt A-FORB	White Forget-Me-Not
MYOSCO	*	MYOSOTIS SCORPIOIDES	Ad P-FORB	Common Forget-Me-Not
MYOSTR	*	MYOSOTIS STRICTA	Ad A-FORB	Small-Flowered Forget-Me-Not
MYOVER	2	Myosotis verna	Nt A-FORB	Spring Forget-Me-Not
MYOAQU	*	MYOSOTON AQUATICUM	Ad P-FORB	Water Chickweed
MYOMIN	0	Myosurus minimus	Nt A-FORB	Mousetail
MYRAQU	*	MYRIOPHYLLUM AQUATICUM	Ad P-FORB	Parrot's Feather
MYRHET	8	Myriophyllum heterophyllum	Nt P-FORB	Various-Leaved Water Milfoil
MYRPIN	7	Myriophyllum pinnatum	Nt P-FORB	Rough Water Milfoil
MYRSIB	*	MYRIOPHYLLUM SIBIRICUM	Ad P-FORB	European Water Milfoil
MYRSPI	*	MYRIOPHYLLUM SPICATUM	Ad P-FORB	Pale Water Milfoil
NAJFLE	10	Najas flexilis	Nt A-FORB	Slender Naiad
NAJGRA	8	Najas gracillima	Nt A-FORB	Slender Water-Nymph
NAJGUA	6	Najas guadalupensis	Nt A-FORB	Southern Naiad
NAJMIN	*	NAJAS MINOR	Ad A-FORB	Brittle Naiad
NARPOE	*	NARCISSUS POETICUS	Ad P-FORB	Poet's Narcissus
NARPSE	*	NARCISSUS PSEUDO-NARCISSUS	Ad P-FORB	Daffodil
NASOFF	*	NASTURTIUM OFFICINALE	Ad P-FORB	Water Cress
NELLUT	6	Nelumbo lutea	Nt P-FORB	American Lotus
NELNUC	*	NELUMBO NUCIFERA	Ad P-FORB	Sacred Lotus
NEMGEM	10	Nemastylis geminiflora	Nt P-FORB	Celestial Lily
NEMNUT	9	Nemastylis nuttallii	Nt P-FORB	Nuttall's Prairie Iris
NEPCAT	*	NEPETA CATARIA	Ad P-FORB	Catnip
NESPAN	*	NESLIA PANICULATA	Ad A-FORB	Ball Mustard
NEVALA	10	Neviusia alabamensis	Nt SHRUB	Snow Wreath
NICPHY	*	NICANDRA PHYSALODES	Ad A-FORB	Apple Of Peru
NICLON	*	NICOTIANA LONGIFLORA	Ad A-FORB	Long-Flowered Tobacco
NICRUS	*	NICOTIANA RUSTICA	Ad A-FORB	Wild Tobacco
NICTAB	*	NICOTIANA TABACUM	Ad A-FORB	Tobacco
NOTCUS	10	Nothocalis cuspidata	Nt P-FORB	Prairie Dandelion
NOTBIV	4	Nothoscordum bivalve	Nt P-FORB	False Garlic
NUPADA†	6	Nuphar advena subsp advena	Nt P-FORB	Yellow Pond Lily
NUPADO†	6	Nuphar advena subsp ozarkana	Nt P-FORB	Ozark Spatterdock
NUTCAN	3	Nuttallanthus canadensis	Nt A-FORB	Small Blue Toadflax
NUTTEX	3	Nuttallanthus texanus	Nt A-FORB	Large Blue Toadflax

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
NYMODO	7	Nymphaea odorata	Nt P-FORB	White Water Lily
NYMPEL	*	NYMPHOIDES PELTATA	Ad P-FORB	Fragrant Water Lily
NYSAQU	10	Nyssa aquatica	Nt TREE	Water Tupelo
NYSBIF	10	Nyssa biflora	Nt TREE	Swamp Black Gum
NYSSYL	5	Nyssa sylvatica	Nt TREE	Black Gum
OBOVIR	10	Obolaria virginica	Nt P-FORB	Pennywort
OCIBAS	*	OCIMUM BASILICUM	Ad A-FORB	Basil
OENJAV	*	OENANTHE JAVANICA	Ad P-FORB	Water Celery
OENBIE	0	Oenothera biennis	Nt B-FORB	Common Evening Primrose
OENCLE	5	Oenothera clelandii	Nt B-FORB	Cleland's Evening Primrose
OENFRF†	10	Oenothera fruticosa subsp fruticosa	Nt P-FORB	Sundrops
OENFRG†	10	Oenothera fruticosa subsp glauca	Nt P-FORB	Glandular Snowdrops
OENGRA	5	Oenothera grandis	Nt A-FORB	Showy Ragged Evening Primrose
OENHET	*	OENOTHERA HETEROPHYLLA	Ad B-FORB	Four-Point Evening Primrose
OENLAC	1	Oenothera laciniata	Nt A-FORB	Ragged Evening Primrose
OENLIN	4	Oenothera linifolia	Nt A-FORB	Thread-Leaved Sundrops
OENMAC	7	Oenothera macrocarpa	Nt P-FORB	Missouri Primrose
OENNUT	3	Oenothera nutans	Nt B-FORB	Nodding Evening Primrose
OENPAR	5	Oenothera parviflora	Nt B-FORB	Northern Evening Primrose
OENPER	10	Oenothera perennis	Nt P-FORB	Small Sundrops
OENPIL	6	Oenothera pilosella	Nt P-FORB	Prairie Sundrops
OENRHO	5	Oenothera rhombipetala	Nt B-FORB	Sand Primrose
OENSPE	2	Oenothera speciosa	Nt P-FORB	Showy Evening Primrose
OENTRI	9	Oenothera triloba	Nt A-FORB	Stemless Evening Primrose
OENVIL	2	Oenothera villosa	Nt B-FORB	Hairy Evening Primrose
OLDBOS	8	Oldenlandia boscii	Nt P-FORB	Bosc's Bluets
OLDUNI	10	Oldenlandia uniflora	Nt A-FORB	Clustered Bluets
OLIALB	9	Oligoneuron album	Nt P-FORB	Stiff Aster
OLIRID	10	Oligoneuron riddellii	Nt P-FORB	Riddell's Goldenrod
OLIRIG	5	Oligoneuron rigidum	Nt P-FORB	Stiff Goldenrod
ONOSEN	6	Onoclea sensibilis	Nt FERN	Sensitive Fern
ONOACA	*	ONOPORDUM ACANTHIUM	Ad B-FORB	Scotch Thistle
ONOMOH†	4	Onosmodium molle subsp hispidissimum	Nt P-FORB	Marbleseed
ONOMOO†	4	Onosmodium molle subsp occidentale	Nt P-FORB	False Gromwell
ONOMOS†	4	Onosmodium molle subsp subsetosum	Nt P-FORB	Ozark False Gromwell
OPHCRO	6	Ophioglossum crotalophoroides	Nt FERN	Bulbous Adder's Tongue
OPHENG	7	Ophioglossum engelmannii	Nt FERN	Glade Adder's Tongue
OPHPET	6	Ophioglossum petiolatum	Nt FERN	Stalked Adder's Tongue
OPHVUL	7	Ophioglossum vulgatum	Nt FERN	Adder's Tongue

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
OPUHUM	4	Opuntia humifusa	Nt SHRUB	Eastern Prickly Pear
OPUMAC	10	Opuntia macrorhiza	Nt SHRUB	Twinspine Prickly Pear
OPUPOL	10	Opuntia polyacantha	Nt SHRUB	Plains Prickly Pear
ORBONO	7	Orbexilum onobrychis	Nt P-FORB	French Grass
ORBPED	6	Orbexilum pedunculatum	Nt P-FORB	Sampson's Snakeroot
ORIVUL	*	ORIGANUM VULGARE	Ad P-FORB	Oregano
ORNNUT	*	ORNITHOGALUM NUTANS	Ad P-FORB	Nodding Star-Of-Bethlehem
ORNUMB	*	ORNITHOGALUM UMBELLATUM	Ad P-FORB	Star-Of-Bethlehem
OROLUD	10	Orobanche ludoviciana	Nt P-FORB	Louisiana Broom Rape
ORORIP	7	Orobanche riparia	Nt P-FORB	River Broom Rape
OROUNI	7	Orobanche uniflora	Nt P-FORB	One-Flowered Broom Rape
ORYSAT	*	ORYZA SATIVA	Ad A-GRASS	Rice
ORYRAC	10	Oryzopsis racemosa	Nt P-GRASS	Black-Seeded Rice Grass
OSMOCL†	3	Osmorhiza claytonii	Nt P-FORB	Hairy Sweet Cicely
OSMOLO†	3	Osmorhiza longistylis	Nt P-FORB	Smooth Sweet Cicely
OSMUCI†	8	Osmunda cinnamomea	Nt FERN	Cinnamon Fern
OSMUCL†	7	Osmunda claytoniana	Nt FERN	Interrupted Fern
OSMURE†	7	Osmunda regalis var spectabilis	Nt FERN	Royal Fern
OSTVIR	4	Ostrya virginiana	Nt TREE	Ironwood
OTTALI	*	OTTELIA ALISMOIDES	Ad P-FORB	Duck Lettuce
OXACOR	*	OXALIS CORNICULATA	Ad P-FORB	Creeping Wood Sorrel
OXADIL	0	Oxalis dillenii	Nt P-FORB	Yellow Wood Sorrel
OXAFLO	5	Oxalis florida	Nt P-FORB	Swamp Wood Sorrel
OXASTR	0	Oxalis stricta	Nt P-FORB	Common Wood Sorrel
OXAVIO	5	Oxalis violacea	Nt P-FORB	Violet Wood Sorrel
OXYRIG	7	Oxypolis rigidior	Nt P-FORB	Cowbane
OXYLAM	10	Oxytropis lambertii	Nt P-FORB	Loco Weed
PACPRO	*	PACHYSANDRA PROCUMBENS	Ad P-FORB	Allegheny Spurge
PACAUR	6	Packera aurea	Nt P-FORB	Common Golden Ragwort
PACGLA	1	Packera glabella	Nt A-FORB	Butterweed
PACOBO	4	Packera obovata	Nt P-FORB	Round-Leaved Ragwort
PACPAU	6	Packera paupercula	Nt P-FORB	Balsam Ragwort
PACPLA	6	Packera plattensis	Nt P-FORB	Prairie Ragwort
PACPSE	6	Packera pseudaurea var semicordata	Nt P-FORB	Western Golden Ragwort
PACTOM	10	Packera tomentosa	Nt P-FORB	Wooly Ragwort
PALCAL	5	Palafoxia callosa	Nt A-FORB	Small Palafoxia
PANQUI	8	Panax quinquefolius	Nt P-FORB	Ginseng
PANANC	3	Panicum anceps	Nt P-GRASS	Beaked Panic Grass
PANCAP	0	Panicum capillare	Nt A-GRASS	Old Witch Grass

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
PANDIC	0	Panicum dichotomiflorum	Nt A-GRASS	Knee Grass
PANFLE	3	Panicum flexile	Nt A-GRASS	Wiry Panic Grass
PANGAT	4	Panicum gattingeri◄	Nt A-GRASS	Gattinger's Witch Grass
PANLON	10	Panicum longifolium◄	Nt P-GRASS	Long-Leaved Panic Grass
PANMIL	*	PANICUM MILIACEUM	Ad A-GRASS	Broom-Corn Millet
PANOBT	*	PANICUM OBTUSUM	Ad P-GRASS	Blunt Panic Grass
PANPHI	4	Panicum philadelphicum	Nt A-GRASS	Philadelphia Panic Grass
PANRIG	3	Panicum rigidulum	Nt P-GRASS	Munro Grass
PANVER	10	Panicum verrucosum	Nt A-GRASS	Warty Panic Grass
PANVIR	4	Panicum virgatum	Nt P-GRASS	Switch Grass
PAPDUB	*	PAPAVER DUBIUM	Ad A-FORB	Blind Eyes
PAPRHO	*	PAPAVER RHOEAS	Ad A-FORB	Corn Poppy
PAPSOM	*	PAPAVER SOMNIFERUM	Ad A-FORB	Common Poppy
PARPEN	3	Parietaria pensylvanica	Nt A-FORB	Pellitory
PARGRA	10	Parnassia grandifolia	Nt P-FORB	Grass-Of-Parnassus
PARCAN	4	Paronychia canadensis	Nt A-FORB	Tall Forked Chickweed
PARFAS	4	Paronychia fastigiata	Nt A-FORB	Low Forked Chickweed
PARVIR	10	Paronychia virginica	Nt P-FORB	Broom Whitlow-Wort
PARHIS	9	Parthenium hispidum◄	Nt P-FORB	Hairy Feverfew
PARHYS	*	PARTHENIUM HYSTEROPHORUS	Ad A-FORB	Santa Maria
PARINT	6	Parthenium integrifolium	Nt P-FORB	Wild Quinine
PARQUI	3	Parthenocissus quinquefolia	Nt W-VINE	Virginia Creeper
PARTRI	*	PARTHENOCISSUS TRICUSPIDATA	Ad W-VINE	Boston Ivy
PARVIT	3	Parthenocissus vitacea	Nt W-VINE	Thicket Creeper
PASSMI	0	Pascopyrum smithii	Nt P-GRASS	Western Wheat Grass
PASGEM	*	PASPALIDIUM GEMINATUM	Ad P-GRASS	Water Panic Grass
PASBIF	10	Paspalum bifidum	Nt P-GRASS	Pitchfork Lens Grass
PASDIL	*	PASPALUM DILATATUM	Ad P-GRASS	Dallis Grass
PASDSS†	10	Paspalum dissectum	Nt P-GRASS	Mudbank Lens Grass
PASDST†	*	PASPALUM DISTICHUM	Ad P-GRASS	Knotgrass
PASFLO	4	Paspalum floridanum	Nt P-GRASS	Florida Lens Grass
PASLAC†	3	Paspalum laeve var circulare	Nt P-GRASS	Smooth Lens Grass
PASLAL†	2	Paspalum laeve var laeve	Nt P-GRASS	Smooth Lens Grass
PASPUB	3	Paspalum pubiflorum	Nt P-GRASS	Hairy-Flowered Lens Grass
PASREP	5	Paspalum repens	Nt P-GRASS	Water Lens Grass
PASSCI†	3	Paspalum setaceum var ciliatifolium	Nt P-GRASS	Hairy Lens Grass
PASSMU†	3	Paspalum setaceum var muhlenbergii	Nt P-GRASS	Hairy Lens Grass
PASSSE†	7	Paspalum setaceum var setaceum	Nt P-GRASS	Slender Lens Grass
PASSST†	5	Paspalum setaceum var stramineum	Nt P-GRASS	Bush's Lens Grass

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
PASURV	*	PASPALUM URVILLEI	Ad P-GRASS	Vasey Grass
PASINC	2	Passiflora incarnata	Nt P-FORB	Passion Flower
PASLUT	4	Passiflora lutea	Nt P-FORB	Yellow Passion Flower
PASSAT	*	PASTINACA SATIVA	Ad B-FORB	Wild Parsnip
PAUTOM	*	PAULOWNIA TOMENTOSA	Ad TREE	Empress Tree
PEDCAN	5	Pedicularis canadensis	Nt P-FORB	Lousewort
PEDLAN	9	Pedicularis lanceolata	Nt P-FORB	Swamp Lousewort
PEDARG	9	Pediomelum argophyllum	Nt P-FORB	Silvery Scurfy pea
PEDESC	10	Pediomelum esculentum	Nt P-FORB	Prairie Turnip
PEDTEN	8	Pediomelum tenuiflorum	Nt P-FORB	Scurfy Pea
PELGAS	10	Pellaea ×gastonyi	Nt FERN	Gastony's Cliff Brake
PELATR	7	Pellaea atropurpurea	Nt FERN	Purple Cliff Brake
PELGLA	9	Pellaea glabella	Nt FERN	Smooth Cliff Brake
PELVIR	10	Peltandra virginica	Nt P-FORB	Arrow Arum
PENALO	*	PENNISETUM ALOPECUROIDES	Ad P-GRASS	Fountain Grass
PENAME	*	PENNISETUM AMERICANUM	Ad A-GRASS	Pearl Millet
PENSET	*	PENNISETUM SETACEUM	Ad P-GRASS	Crimson Fountaingrass
PENARK	8	Penstemon arkansanus	Nt P-FORB	Arkansas Beard-Tongue
PENCOC†	10	Penstemon cobaea var cobaea◀	Nt P-FORB	Showy Beard Tongue
PENCOP†	10	Penstemon cobaea var purpureus◀	Nt P-FORB	Cobea Beard-Tongue
PENDIG	3	Penstemon digitalis	Nt P-FORB	Foxglove Beard Tongue
PENGRA	8	Penstemon grandiflorus	Nt P-FORB	Large-Flowered Beard Tongue
PENPAL	5	Penstemon pallidus	Nt P-FORB	Pale Beard Tongue
PENTEN	3	Penstemon tenuis	Nt P-FORB	Brazos Beard Tongue
PENTUB	6	Penstemon tubaeflorus	Nt P-FORB	Funnel-Form Beard Tongue
PENSED	3	Penthorum sedoides	Nt P-FORB	Ditch Stonecrop
PERIAM†	8	Perideridia americana	Nt P-FORB	American Perideridia
PERFRU	*	PERILLA FRUTESCENS	Ad A-FORB	Beefsteak Plant
PERAMM†	5	Persicaria amphibia var emersa	Nt P-FORB	Water Knotweed
PERAMS†	8	Persicaria amphibia var stipulacea	Nt P-FORB	Water Heartsease
PERARI	10	Persicaria arifolia	Nt A-FORB	Halberd-Leaved Tearthumb
PERBIC	5	Persicaria bicornis	Nt A-FORB	Pink Smartweed
PERGLA	6	Persicaria glabra	Nt P-FORB	Dense-Flowered Smartweed
PERHYR†	3	Persicaria hydropiper	Nt A-FORB	Water Pepper
PERHYS†	4	Persicaria hydropiperoides	Nt P-FORB	Mild Water Pepper
PERLAP	0	Persicaria lapathifolia	Nt A-FORB	Heartsease
PERLON	*	PERSICARIA LONGISETA	Ad A-FORB	Creeping Smartweed
PERMAC	*	PERSICARIA MACULOSA	Ad A-FORB	Lady's Thumb

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
PERORI	*	PERSICARIA ORIENTALIS	Ad A-FORB	Kiss-Me-Over-The-Garden-Gate
PERPEN	1	Persicaria pensylvanica	Nt A-FORB	Pennsylvania Knotweed
PERPUN	3	Persicaria punctata	Nt A-FORB	Dotted Smartweed
PERROB	9	Persicaria robustior	Nt P-FORB	Stout Smartweed
PERSAG	4	Persicaria sagittata	Nt A-FORB	Arrow-Leaved Tearthumb
PERSET	5	Persicaria setacea	Nt P-FORB	Bog Smartweed
PERVIR	1	Persicaria virginiana	Nt P-FORB	Virginia Knotweed
PETPRO	*	PETROHAGIA PROLIFERA	Ad A-FORB	Childing Pink
PETATK	*	PETUNIA × ATKINSIANA	Ad A-FORB	White Petunia
PETAXI	*	PETUNIA AXILLARIS	Ad A-FORB	Large White Petunia
PETINT	*	PETUNIA INTEGRIFOLIA	Ad A-FORB	Violet Petunia
PHABIP	5	Phacelia bipinnatifida	Nt B-FORB	Forest Phacelia
PHACOV	8	Phacelia covillei	Nt A-FORB	Coville's Phacelia
PHAGIL	3	Phacelia gilioides	Nt A-FORB	Small-Flowered Phacelia
PHAHIR	4	Phacelia hirsuta	Nt A-FORB	Hairy Phacelia
PHAPUR	4	Phacelia purshii	Nt A-FORB	Miami Mist
PHARAN	6	Phacelia ranunculacea	Nt A-FORB	Blue Phacelia
PHAARU	*	PHALARIS ARUNDINACEA	Ad P-GRASS	Reed Canary Grass
PHABRA	*	PHALARIS BRACHYSTACHYS	Ad A-GRASS	Shortspike Canary Grass
PHACAN	*	PHALARIS CANARIENSIS	Ad A-GRASS	Canary Grass
PHACAR	1	Phalaris caroliniana	Nt A-GRASS	May Grass
PHALUN	*	PHASEOLUS LUNATUS	Ad A-FORB	Lima Bean
PHAPOL	7	Phaseolus polystachios	Nt P-FORB	Wild Bean
PHAVUL	*	PHASEOLUS VULGARIS	Ad A-FORB	Bush Bean
PHEHEX	8	Phegopteris hexagonoptera	Nt FERN	Broad Beech Fern
PHEAMU	*	PHELLODENDRON AMURENSE	Ad TREE	Amur Cork Tree
PHECAL	8	Phemeranthus calycinus	Nt P-FORB	Fame Flower
PHEPAR	10	Phemeranthus parviflorus	Nt P-FORB	Rock Pink
PHICOR	*	PHILADELPHUS CORONARIUS	Ad SHRUB	Sweet Mock Orange
PHIPUB	10	Philadelphus pubescens var verrucosus	Nt SHRUB	Hoary Mock Orange
PHLPRA	*	PHLEUM PRATENSE	Ad P-GRASS	Timothy
PHLAMP	9	Phlox amplifolia	Nt P-FORB	Broadleaf Phlox
PHLBIF	8	Phlox bifida	Nt P-FORB	Sand Phlox
PHLDIV	4	Phlox divaricata	Nt P-FORB	Blue Phlox
PHLDRU	*	PHLOX DRUMMONDII	Ad A-FORB	Drummond Phlox
PHLGLA	8	Phlox glaberrima subsp interior	Nt P-FORB	Marsh Phlox
PHLMAC	10	Phlox maculata subsp pyramidalis	Nt P-FORB	Sweet William Phlox
PHLPAN	3	Phlox paniculata	Nt P-FORB	Garden Phlox
PHLPIF†	6	Phlox pilosa subsp fulgida	Nt P-FORB	Prairie Phlox

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
PHLPIO†	6	Phlox pilosa subsp ozarkana	Nt P-FORB	Prairie Phlox
PHLPIP†	6	Phlox pilosa subsp pilosa	Nt P-FORB	Prairie Phlox
PHLSUB	*	PHLOX SUBULATA	Ad P-FORB	Moss Phlox
PHOLEU	7	Phoradendron leucarpum	Nt SHRUB	Mistletoe
PHRAUM†	6	Phragmites australis subsp americanus◄	Nt P-GRASS	American Reed
PHRAUU†	*	PHRAGMITES AUSTRALIS subsp AUSTRALIS◄	Ad P-GRASS	Common Reed
PHRLEP	2	Phryma leptostachya	Nt P-FORB	Lopseed
PHYCAR	5	Phyllanthus carolinensis	Nt A-FORB	Carolina Leaf-Flower
PHYPOL	10	Phyllanthus polygonoides	Nt P-FORB	Knotweed Leaf-Flower
PHYLVI†	*	PHYLLOSTACHYS VIRIDIS	Ad P-GRASS	Sulphur Bamboo
PHSAAC†	*	PHYSALIS ACUTIFOLIA	Ad A-FORB	Wright's Ground Cherry
PHSAAL†	*	PHYSALIS ALKEKENGI	Ad P-FORB	Chinese Lantern Plant
PHSAAN†	3	Physalis angulata	Nt A-FORB	Cutleaf Ground Cherry
PHSACI†	*	PHYSALIS CINERASCENS	Ad P-FORB	Stellate Ground Cherry
PHYCOR	5	Physalis cordata	Nt A-FORB	Heart-Leaved Ground Cherry
PHSAGR†	6	Physalis grisea	Nt A-FORB	Strawberry Tomato
PHSAHE†	3	Physalis heterophylla	Nt P-FORB	Clammy Ground Cherry
PHSALO†	2	Physalis longifolia	Nt P-FORB	Ground Cherry
PHSAMI†	5	Physalis missouriensis	Nt A-FORB	Missouri Ground Cherry
PHSAPH†	*	PHYSALIS PHILADELPHICA	Ad A-FORB	Tomatillo
PHSAPB†	4	Physalis pubescens	Nt A-FORB	Downy Ground Cherry
PHSAPM†	6	Physalis pumila	Nt P-FORB	Prairy Ground Cherry
PHSAVI†	3	Physalis virginiana	Nt P-FORB	Lance-Leaved Ground Cherry
PHYFIL	9	Physaria filiformis	Nt A-FORB	Missouri Bladderpod
PHYGRA	*	PHYSARIA GRACILIS	Ad A-FORB	Slender Bladderpod
PHYOPU	5	Physocarpus opulifolius var intermedius	Nt SHRUB	Ninebark
PHYANG	6	Physostegia angustifolia	Nt P-FORB	Narrow-Leaved Dragonhead
PHYINT	10	Physostegia intermedia	Nt P-FORB	Slender Dragonhead
PHYVIP†	7	Physostegia virginiana subsp praemorsa	Nt P-FORB	False Dragonhead
PHYVIV†	5	Physostegia virginiana subsp virginiana	Nt P-FORB	False Dragonhead
PHYAME	2	Phytolacca americana	Nt P-FORB	Pokeweed
PICHIE	*	PICRIS HIERACIOIDES	Ad A-FORB	Ox Tongue
PICRHA	*	PICRIS RHAGADIOLOIDES	Ad A-FORB	Bitter-Weed
PILPUM	4	Pilea pumila	Nt A-FORB	Clearweed
PILAME	6	Pilularia americana	Nt FERN	Pillwort
PINBAN	*	PINUS BANKSIANA	Ad TREE	Jack Pine
PINECH	5	Pinus echinata	Nt TREE	Short-Leaf Pine
PINNIG	*	PINUS NIGRA	Ad TREE	Austrian Pine

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
PINSTR	*	PINUS STROBUS	Ad TREE	Eastern White Pine
PINTAE	*	PINUS TAEDA	Ad TREE	Loblolly Pine
PINVIR	*	PINUS VIRGINIANA	Ad TREE	Scrub Pine
PISSTR	*	PISTIA STRATIOTES	Ad P-FORB	Water Lettuce
PISSAT	*	PISUM SATIVUM	Ad A-FORB	Field Pea
PLAAQU	8	Planera aquatica	Nt TREE	Water Elm
PLDVIR†	0	Planodes virginica	Nt A-FORB	Virginia Rock Cress
PLAARI	1	Plantago aristata	Nt A-FORB	Bracted Plantain
PLACOR	10	Plantago cordata	Nt P-FORB	Heart-Leaved Plantain
PLAELO	1	Plantago elongata	Nt A-FORB	Slender Plantain
PLAHET	0	Plantago heterophylla	Nt A-FORB	Small Plantain
PLAIND	*	PLANTAGO INDICA	Ad A-FORB	Whorled Plantain
PLALAN	*	PLANTAGO LANCEOLATA	Ad A-FORB	English Plantain
PLAMAJ	*	PLANTAGO MAJOR	Ad A-FORB	Common Plantain
PLAPAT	0	Plantago patagonica	Nt A-FORB	Patagonia Plantain
PLARHO	*	PLANTAGO RHODOSPERMA	Ad A-FORB	Red-Seeded Plantain
PLARUG	0	Plantago rugelii	Nt A-FORB	Red-Stalked Plantain
PLAVIG†	1	Plantago virginica	Nt A-FORB	Dwarf Plantain
PLAWRI	*	PLANTAGO WRIGHTIANA	Ad P-FORB	Wright's Plantain
PLACIL	10	Platanthera ciliaris	Nt P-FORB	Orange Fringed Orchid
PLACLA	10	Platanthera clavellata	Nt P-FORB	Small Green Fringed Orchid
PLAFLF†	10	Platanthera flava var flava	Nt P-FORB	Pale Green Orchid
PLAFLH†	10	Platanthera flava var herbiola	Nt P-FORB	Tubercled Orchid
PLALAC	6	Platanthera lacera	Nt P-FORB	Ragged Fringed Orchid
PLALEU	10	Platanthera leucophaea	Nt P-FORB	Eastern Prairie White Fringed Orchid
PLAPER	8	Platanthera peramoena	Nt P-FORB	Purple Fringless Orchid
PLAPRA	10	Platanthera praeclara	Nt P-FORB	Western Prairie White Fringed Orchid
PLAPSY	10	Platanthera psychodes	Nt P-FORB	Purple Fringed Orchid
PLAOCC	3	Platanus occidentalis	Nt TREE	Sycamore
PLUCAM	4	Pluchea camphorata	Nt A-FORB	Camphor Weed
PLUFOE	10	Pluchea foetida	Nt P-FORB	Stinking Marsh Fleabane
POAANN	*	POA ANNUA	Ad A-GRASS	Annual Blue Grass
POABUL	*	POA BULBOSA	Ad P-GRASS	Bulbous Blue Grass
POACHA	2	Poa chapmaniana	Nt A-GRASS	Spear Grass
POACOM	*	POA COMPRESSA	Ad P-GRASS	Canada Blue Grass
POAINT	10	Poa interior	Nt P-GRASS	Inland Bluegrass
POAPAL	*	POA PALUSTRIS	Ad P-GRASS	Marsh Blue Grass
POAPRA	*	POA PRATENSIS	Ad P-GRASS	Kentucky Blue Grass

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
POASYL	5	Poa sylvestris	Nt P-GRASS	Woodland Blue Grass
POATRI	*	POA TRIVIALIS	Ad P-GRASS	Rough Blue Grass
POAWOL	8	Poa wolfii	Nt P-GRASS	Wolf's Blue Grass
PODPEL	4	Podophyllum peltatum	Nt P-FORB	May Apple
POGOPH	10	Pogonia ophioglossoides	Nt P-FORB	Snakemouth Orchid
POLDOC†	1	Polanisia dodecandra subsp dodecandra	Nt A-FORB	Clammyweed
POLDOT†	4	Polanisia dodecandra subsp trachysperma	Nt A-FORB	Rough-Seeded Clammy Weed
POLREP	6	Polemonium reptans	Nt P-FORB	Jacob's Ladder
POLINC	8	Polygala incarnata	Nt A-FORB	Pink Milkwort
POLSAN	4	Polygala sanguinea	Nt A-FORB	Field Milkwort
POLSEN	6	Polygala senega	Nt P-FORB	Seneca Snakeroot
POLVER	4	Polygala verticillata	Nt A-FORB	Whorled Milkwort
POLBIF	4	Polygonatum biflorum var commutatum	Nt P-FORB	Smooth Solomon's Seal
POLACH	0	Polygonum achoreum	Nt A-FORB	Leathery Knotweed
POLAME	10	Polygonum americanum	Nt P-FORB	Southern Jointweed
POLAVA†	*	POLYGONUM AVICULARE subsp AVICULARE	Ad A-FORB	Common Knotweed
POLAVB†	2	Polygonum aviculare subsp buxiforme	Nt A-FORB	Box Knotweed
POLAVD†	*	POLYGONUM AVICULARE subsp DEPRESSUM	Ad A-FORB	Oval-Leaf Knotweed
POLAVN†	*	POLYGONUM AVICULARE subsp NEGLECTUM	Ad A-FORB	Narrowleaf Knotweed
POLERE	1	Polygonum erectum	Nt A-FORB	Erect Knotweed
POLRAP†	5	Polygonum ramosissimum var prolificum◄	Nt A-FORB	Bushy Knotweed
POLRAR†	5	Polygonum ramosissimum var ramosissimum◄	Nt A-FORB	Bushy Knotweed
POLTEN	6	Polygonum tenue	Nt A-FORB	Slender Knotweed
POLCAN	6	Polymnia canadensis	Nt P-FORB	Leafcup
POLLAE	10	Polymnia laevigata	Nt P-FORB	Smooth Leaf Cup
POLPOL	8	Polypodium polypodioides var michauxianum	Nt FERN	Resurrection Fern
POLPVI†	9	Polypodium virginianum	Nt FERN	Common Polypody
POLPRO	4	Polypremum procumbens	Nt P-FORB	Polypremum
POLACR	5	Polystichum acrostichoides	Nt FERN	Christmas Fern
POLNUT	8	Polytaenia nuttallii	Nt P-FORB	Prairie Parsley
POMJAM	*	POMARIA JAMESII	Ad P-FORB	Rush Pea
PONCOR	7	Pontederia cordata	Nt P-FORB	Pickerel Weed
POPCAD†	*	POPULUS × CANADENSIS	Ad TREE	Eugene Poplar
POPCAS†	*	POPULUS × CANESCENS	Ad TREE	European Hybrid Aspen
POPJAC	*	POPULUS × JACKII	Ad TREE	Balm-Of-Gilead
POPALB	*	POPULUS ALBA	Ad TREE	White Poplar

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
POPDEL	2	Populus deltoides	Nt TREE	Cottonwood
POPGRA	10	Populus grandidentata	Nt TREE	Large-Toothed Aspen
POPHET	9	Populus heterophylla	Nt TREE	Swamp Cottonwood
POPNIG	*	POPULUS NIGRA var ITALICA	Ad TREE	Lombardy Poplar
POPTRE	7	Populus tremuloides	Nt TREE	Quaking Aspen
PORGRA	*	PORTULACA GRANDIFLORA	Ad A-FORB	Portulaca
PORPIL	7	Portulaca pilosa	Nt A-FORB	Shaggy Portulaca
POROLE	0	Portulacca oleracea◄	Nt A-FORB	Purslane
POTAMP	10	Potamogeton amplifolius	Nt P-FORB	Large-Leaved Pondweed
POTCRI	*	POTAMOGETON CRISPUS	Ad P-FORB	Beginner's Pondweed
POTDIV	5	Potamogeton diversifolius	Nt P-FORB	Waterthread Pondweed
POTEPI	10	Potamogeton epihydrus	Nt P-FORB	Ribbon-Leaved Pondweed
POTFOL	6	Potamogeton foliosus	Nt P-FORB	Leafy Pondweed
POTILL	8	Potamogeton illinoensis	Nt P-FORB	Illinois Pondweed
POTNOD	5	Potamogeton nodosus	Nt P-FORB	Long-Leaved Pondweed
POTPEC	7	Potamogeton pectinatus	Nt P-FORB	Comb Pondweed
POTPUL	10	Potamogeton pulcher	Nt P-FORB	Spotted Pondweed
POTPUS	8	Potamogeton pusillus	Nt P-FORB	Small Pondweed
POTARG	*	POTENTILLA ARGENTEA	Ad A-FORB	Silvery Cinquefoil
POTCAN	8	Potentilla canadensis	Nt P-FORB	Five Fingers
POTNOR	0	Potentilla norvegica	Nt A-FORB	Rough Cinquefoil
POTREC	*	POTENTILLA RECTA	Ad P-FORB	Sulphur Cinquefoil
POTRIV	4	Potentilla rivalis	Nt A-FORB	Brook Cinquefoil
POTSIM	3	Potentilla simplex◄	Nt P-FORB	Common Cinquefoil
POTSUP	8	Potentilla supina subsp paradoxa	Nt A-FORB	River Cinquefoil
PREALB	9	Prenanthes alba	Nt P-FORB	White Lettuce
PREALT	5	Prenanthes altissima	Nt P-FORB	Tall White Lettuce
PREASP	7	Prenanthes aspera	Nt P-FORB	Rough White Lettuce
PRECRE	9	Prenanthes crepidinea	Nt P-FORB	Great White Lettuce
PRERAC	10	Prenanthes racemosa	Nt P-FORB	Glaucous White Lettuce
PRIFAS	10	Primula fassettii	Nt P-FORB	Amethyst Shooting Star
PRIFRE	10	Primula frenchii	Nt P-FORB	French's Shooting Star
PRIMEA	7	Primula meadia	Nt P-FORB	Shooting Star
PRIVER	*	PRIMULA VERIS	Ad P-FORB	Cowslip Primrose
PROLOU	*	PROBOSCIDEA LOUISIANA◄	Ad A-FORB	Unicorn Plant
PROPAL	8	Proserpinaca palustris	Nt P-FORB	Mermaid Weed
PROGLA	*	PROSOPIS GLANDULOSA	Ad SHRUB	Honey Mesquite
PRUVUA†	1	Prunella vulgaris var lanceolata	Nt P-FORB	Self-Heal
PRUVUV†	*	PRUNELLA VULGARIS var VULGARIS	Ad P-FORB	Lawn Prunella

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
PRUAME	4	Prunus americana	Nt TREE	Wild Plum
PRUANG	5	Prunus angustifolia	Nt SHRUB	Chickasaw Plum
PRUARM	*	PRUNUS ARMENIACA	Ad TREE	Apricot
PRUCER	*	PRUNUS CERASUS	Ad TREE	Sour Cherry
PRUHOR	3	Prunus hortulana◀	Nt TREE	Hortulan Plum
PRUMAH	*	PRUNUS MAHALEB	Ad TREE	Perfumed Cherry
PRUMEX	3	Prunus mexicana	Nt TREE	Mexican Plum
PRUMUN	5	Prunus munsoniana◀	Nt TREE	Wild Goose Plum
PRUPER	*	PRUNUS PERSICA	Ad TREE	Peach
PRUSER	2	Prunus serotina	Nt TREE	Wild Black Cherry
PRUSPI	*	PRUNUS SPINOSA	Ad SHRUB	Blackthorn
PRUVIR	4	Prunus virginiana	Nt SHRUB	Choke Cherry
PSEHEL	4	Pseudognaphalium helleri	Nt A-FORB	Rabbit Tobacco
PSEMIC	5	Pseudognaphalium micradenium	Nt A-FORB	Smooth Rabbit Tobacco
PSEOBT	2	Pseudognaphalium obtusifolium	Nt A-FORB	Old-Field Balsam
PTETRI	5	Ptelea trifoliata	Nt SHRUB	Hop Tree
PTEAQU	4	Pteridium aquilinum	Nt FERN	Bracken Fern
PTICAP	10	Ptilimnium capillaceum	Nt A-FORB	Mock Bishop's Weed
PTICOS	7	Ptilimnium costatum	Nt A-FORB	Ribbed Mock Bishop's Weed
PTINUT	4	Ptilimnium nuttallii	Nt A-FORB	Nuttall's Mock Bishop's Weed
PUCDIS	*	PUCCINELLIA DISTANS	Ad P-GRASS	Alkali Grass
PUEMON	*	PUERARIA MONTANA var LOBATA	Ad W-VINE	Kudzu Vine
PYCALB	7	Pycnanthemum albescens	Nt P-FORB	White Mountain Mint
PYCMUT	10	Pycnanthemum muticum	Nt P-FORB	Short-Toothed Mountain Mint
PYCPIL	5	Pycnanthemum pilosum	Nt P-FORB	Hairy Mountain Mint
PYCTEN	4	Pycnanthemum tenuifolium	Nt P-FORB	Slender Mountain Mint
PYCTOR	10	Pycnanthemum torrei	Nt P-FORB	Torrey's Mountain Mint
PYCVIR	6	Pycnanthemum virginianum	Nt P-FORB	Common Mountain Mint
PYRCOC	*	PYRACANTHA COCCINEA	Ad SHRUB	Firethorn
PYRCAR	0	Pyrrhopappus carolinianus	Nt A-FORB	Yellow False Dandelion
PYRCAL	*	PYRUS CALLERYANA	Ad TREE	Bradford Pear
PYRCOM	*	PYRUS COMMUNIS	Ad TREE	Pear
QUEACU	*	QUERCUS ACUTISSIMA	Ad TREE	Sawtooth Oak
QUEALB	4	Quercus alba	Nt TREE	White Oak
QUEBIC	7	Quercus bicolor	Nt TREE	Swamp White Oak
QUECOC	5	Quercus coccinea	Nt TREE	Scarlet Oak
QUEELL	10	Quercus ellipsoidalis	Nt TREE	Hill's Oak
QUEFAL	6	Quercus falcata	Nt TREE	Southern Red Oak

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
QUEIMB	3	Quercus imbricaria	Nt TREE	Shingle Oak
QUELYR	8	Quercus lyrata	Nt TREE	Overcup Oak
QUEMAC	4	Quercus macrocarpa	Nt TREE	Bur Oak
QUEMAR	4	Quercus marilandica	Nt TREE	Blackjack Oak
QUEMIC	9	Quercus michauxii	Nt TREE	Basket Oak
QUEMUE	5	Quercus muehlenbergii	Nt TREE	Chinquapin Oak
QUENIG	5	Quercus nigra	Nt TREE	Water Oak
QUEPAG	7	Quercus pagoda	Nt TREE	Cherrybark Oak
QUEPAL	4	Quercus palustris	Nt TREE	Pin Oak
QUEPHE	7	Quercus phellos	Nt TREE	Willow Oak
QUEPRI	5	Quercus prinoides	Nt TREE	Dwarf Chestnut Oak
QUERUB	5	Quercus rubra◀	Nt TREE	Red Oak
QUESHA†	7	Quercus shumardii var acerifolia◀	Nt TREE	Schneck Oak
QUESHS†	5	Quercus shumardii var shumardii	Nt TREE	Shumard Oak
QUESIM	9	Quercus similis	Nt TREE	Bottomland Post Oak
QUESTE	4	Quercus stellata	Nt TREE	Post Oak
QUETEX	10	Quercus texana	Nt TREE	Nuttall's Oak
QUEVEL	4	Quercus velutina	Nt TREE	Black Oak
RANABO	1	Ranunculus abortivus	Nt P-FORB	Small-Flowered Buttercup
RANACR	*	RANUNCULUS ACRIS	Ad P-FORB	Tall Buttercup
RANAQU	8	Ranunculus aquatilis var diffusus	Nt P-FORB	White Crowfoot
RANARV	*	RANUNCULUS ARVENSIS	Ad A-FORB	Spiny Buttercup
RANBUL	*	RANUNCULUS BULBOSUS	Ad P-FORB	Bulbous Buttercup
RANCYM	10	Ranunculus cymbalaria	Nt P-FORB	Seaside Crowfoot
RANFAS	5	Ranunculus fascicularis	Nt P-FORB	Early Buttercup
RANFIC	*	RANUNCULUS FICARIA	Ad P-FORB	Lesser Celandine
RANFLA	8	Ranunculus flabellaris	Nt P-FORB	Yellow Water Crowfoot
RANHAR	7	Ranunculus harveyi	Nt P-FORB	Harvey's Buttercup
RANHIC†	4	Ranunculus hispidus var caricetorum	Nt P-FORB	Swamp Buttercup
RANHIH†	6	Ranunculus hispidus var hispidus	Nt P-FORB	Hispid Buttercup
RANHIN†	4	Ranunculus hispidus var nitidus	Nt P-FORB	Swamp Buttercup
RANLAX	7	Ranunculus laxicaulis	Nt A-FORB	Water Plantain Spearwort
RANMIC	3	Ranunculus micranthus	Nt P-FORB	Rock Crowfoot
RANPAR	*	RANUNCULUS PARVIFLORUS	Ad A-FORB	Small-Flowered Crowfoot
RANPUS	6	Ranunculus pusillus	Nt A-FORB	Low Spearwort
RANREC	5	Ranunculus recurvatus	Nt P-FORB	Hooked Buttercup
RANREP	*	RANUNCULUS REPENS	Ad P-FORB	Creeping Buttercup
RANSAR	*	RANUNCULUS SARDOUS	Ad A-FORB	Hairy Buttercup
RANSCE	5	Ranunculus sceleratus	Nt A-FORB	Cursed Buttercup

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
RAPRAP	*	RAPHANUS RAPHANISTRUM	Ad A-FORB	Wild Radish
RAPSAT	*	RAPHANUS SATIVUS	Ad A-FORB	Radish
RAPRUG	*	RAPISTRUM RUGOSUM	Ad A-FORB	Turnipweed
RATCOL	*	RATIBIDA COLUMNIFERA	Ad P-FORB	Long-Headed Coneflower
RATPIN	4	Ratibida pinnata	Nt P-FORB	Grey-Headed Coneflower
RATTAG	*	RATIBIDA TAGETES	Ad P-FORB	Shortray Prairie Coneflower
RESLUA†	*	RESEDA LUTEA	Ad P-FORB	Wild Mignonette
RESLUO†	*	RESEDA LUTEOLA	Ad B-FORB	Dyer's Rocket
RHACAR	6	Rhamnus caroliniana	Nt SHRUB	Carolina Buckthorn
RHACAT	*	RHAMNUS CATHARTICA	Ad SHRUB	Common Buckthorn
RHADAV	*	RHAMNUS DAVURICA	Ad SHRUB	Dahurian Buckthorn
RHAJAP	*	RHAMNUS JAPONICA	Ad SHRUB	Japanese Buckthorn
RHALAN	5	Rhamnus lanceolata	Nt SHRUB	Lance-Leaved Buckthorn
RHEMAI†	9	Rhexia mariana var interior	Nt P-FORB	Meadow Beauty
RHEMAM†	8	Rhexia mariana var mariana	Nt P-FORB	Maryland Meadow Beauty
RHEVIR	6	Rhexia virginica	Nt P-FORB	Virginia Meadow Beauty
RHOPRI	8	Rhododendron prinophyllum	Nt SHRUB	Azalea
RHOSCA	*	RHODOTYPOS SCANDENS	Ad SHRUB	Jetbead
RHUARA†	4	Rhus aromatica var aromatica	Nt SHRUB	Common Fragrant Sumac
RHUARS†	6	Rhus aromatica var serotina	Nt SHRUB	Tall Frangrant Sumac
RHUCOP	2	Rhus copallinum var latifolia	Nt SHRUB	Shining Sumac
RHUGLA	1	Rhus glabra	Nt SHRUB	Smooth Sumac
RHUTYP	*	RHUS TYPHINA	Ad SHRUB	Staghorn Sumac
RHYDIF	10	Rhynchosia difformis	Nt P-FORB	Double-Formed Snoutbean
RHYLAT	9	Rhynchosia latifolia	Nt P-FORB	Prairie Snoutbean
RHYCAC†	10	Rhynchospora capillacea	Nt P-SEDGE	Hair Beak Rush
RHYCAT†	8	Rhynchospora capitellata	Nt P-SEDGE	Clustered Beak Rush
RHYCOR	7	Rhynchospora corniculata	Nt P-SEDGE	Shortbristle Horned Rush
RHYGLO	8	Rhynchospora globularis var recognita	Nt P-SEDGE	Grass Beak Rush
RHYHAR	10	Rhynchospora harveyi	Nt P-SEDGE	Harvey's Beak Rush
RHYMAC	9	Rhynchospora macrostachya	Nt P-SEDGE	Tall Horned Rush
RHYSCI	10	Rhynchospora scirpoides◀	Nt A-SEDGE	Long-Beaked Beak Rush
RIBAME	10	Ribes americanum	Nt SHRUB	Wild Black Current
RIBCYN	5	Ribes cynosbati	Nt SHRUB	Prickly Wild Gooseberry
RIBMIS	3	Ribes missouriense	Nt SHRUB	Wild Gooseberry
RIBODO	10	Ribes odoratum	Nt SHRUB	Clove Current
RICCOM	*	RICINUS COMMUNIS	Ad A-FORB	Castor-Oil Plant
ROBHIS	*	ROBINIA HISPIDA	Ad SHRUB	Bristly Locust
ROBPSI†	*	ROBINIA PSEUDOACACIA◀	Ad TREE	Black Locust (introduced)

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
ROBPSN†	6	Robinia pseudoacacia◀	Nt TREE	Black Locust (native)
RORAQU	10	Rorippa aquatica	Nt P-FORB	Lake Cress
RORCUR	5	Rorippa curvipes	Nt A-FORB	Blunt-Leaved Yellow Cress
RORPAL	2	Rorippa palustris var fernaldiana	Nt A-FORB	Marsh Yellow Cress
RORSES	3	Rorippa sessiliflora	Nt A-FORB	Sessile-Flowered Cress
RORSIN	3	Rorippa sinuata	Nt P-FORB	Spreading Yellow Cress
RORSYL	*	RORIPPA SYLVESTRIS	Ad P-FORB	Creeping Yellow Cress
RORTEN	5	Rorippa tenerrima	Nt A-FORB	Modoc Yellow Cress
ROSARK	5	Rosa arkansana	Nt SHRUB	Sunshine Rose
ROSBLA	6	Rosa blanda	Nt SHRUB	Early Wild Rose
ROSCAN	*	ROSA CANINA	Ad SHRUB	Dog Rose
ROSCAC†	4	Rosa carolina subsp carolina◀	Nt SHRUB	Pasture Rose
ROSCAS†	4	Rosa carolina subsp subserrulata◀	Nt SHRUB	Pasture Rose
ROSGAL	*	ROSA GALLICA	Ad SHRUB	French Rose
ROSLUC	*	ROSA LUCIEAE	Ad SHRUB	Memorial Rose
ROSMUL	*	ROSA MULTIFLORA	Ad SHRUB	Multiflora Rose
ROSPAL	7	Rosa palustris	Nt SHRUB	Swamp Rose
ROSRUB	*	ROSA RUBIGINOSA	Ad SHRUB	Sweetbriar
ROSRUG	*	ROSA RUGOSA	Ad SHRUB	Rugosa Rose
ROSSET	4	Rosa setigera	Nt SHRUB	Prairie Rose
ROSSPI	*	ROSA SPINOSISSIMA	Ad SHRUB	Scotch Rose
ROSWOO	*	ROSA WOODSII	Ad SHRUB	Woods Rose
ROTRAM	4	Rotala ramosior	Nt A-FORB	Toothcup
RUBABL	2	Rubus ablatus◀	Nt SHRUB	Plains Blackberry
RUBABO	4	Rubus aboriginum	Nt SHRUB	Garden Dewberry
RUBALL	4	Rubus allegheniensis	Nt SHRUB	Common Blackberry
RUBALU	4	Rubus alumnus◀	Nt SHRUB	Old Field Blackberry
RUBARG	1	Rubus argutus◀	Nt SHRUB	Sawtooth Blackberry
RUBARM	*	RUBUS ARMENIACUS	Ad SHRUB	Himalayan Blackberry
RUBCEL	4	Rubus celer◀	Nt SHRUB	Bountiful Dewberry
RUBCUR	3	Rubus curtipes◀	Nt SHRUB	Short-Stalked Dewberry
RUBDEA	4	Rubus deamii	Nt SHRUB	Deam's Dewberry
RUBENS	5	Rubus enslenii◀	Nt SHRUB	One-Flowered Dewberry
RUBFLA	3	Rubus flagellaris◀	Nt SHRUB	Common Dewberry
RUBFRO	2	Rubus frondosus◀	Nt SHRUB	Yankee Blackberry
RUBIDA	*	RUBUS IDAEUS var STRIGOSUS	Ad SHRUB	Red Raspberry
RUBLAC	*	RUBUS LACINIATUS	Ad SHRUB	Cutleaf Blackberry
RUBLAU	4	Rubus laudatus◀	Nt SHRUB	Prairie Blackberry
RUBLEV	4	Rubus leviculus	Nt SHRUB	Bottomland Dewberry

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
RUBMER	6	Rubus meracus◀	Nt SHRUB	Dryslope Dewberry
RUBMIS	7	Rubus missouricus◀	Nt SHRUB	Missouri Dewberry
RUBMOL	5	Rubus mollior◀	Nt SHRUB	Softleaf Blackberry
RUBOCC	3	Rubus occidentalis	Nt SHRUB	Black Raspberry
RUBPAR	*	RUBUS PARVIFOLIUS	Ad SHRUB	Small-Leaved Raspberry
RUBPHO	*	RUBUS PHOENICOLASIUS	Ad SHRUB	Wineberry
RUBPLI	6	Rubus plicatifolius◀	Nt SHRUB	Pleat-Leaved Dewberry
RUBROR	6	Rubus roribaccus◀	Nt SHRUB	Lucretia Dewberry
RUBROS	3	Rubus rosa	Nt SHRUB	Rose Blackberry
RUBSAT	4	Rubus satis◀	Nt SHRUB	New York Dewberry
RUBSER	*	RUBUS SERISSIMUS	Ad SHRUB	Chesapeake Blackberry
RUBSTE	3	Rubus steelei	Nt SHRUB	Steele's Dewberry
RUBTRI	4	Rubus trivialis	Nt SHRUB	Southern Dewberry
RUDAMP	3	Rudbeckia amplexicaulis	Nt A-FORB	Coneflower
RUDBIC	2	Rudbeckia bicolor◀	Nt A-FORB	Pine Woods Coneflower
RUDFUS†	7	Rudbeckia fulgida var sullivantii◀	Nt P-FORB	Orange Coneflower
RUDFUU†	7	Rudbeckia fulgida var umbrosa◀	Nt P-FORB	Orange Coneflower
RUDGRA	*	RUDBECKIA GRANDIFLORA	Ad P-FORB	Large Black-Eyed Susan
RUDHIR	1	Rudbeckia hirta◀	Nt P-FORB	Black-Eyed Susan
RUDLAC	4	Rudbeckia laciniata	Nt P-FORB	Wild Golden Glow
RUDMAX	*	RUDBECKIA MAXIMA	Ad P-FORB	Great Coneflower
RUDMIS	6	Rudbeckia missouriensis	Nt P-FORB	Missouri Black-Eyed Susan
RUDSUB	5	Rudbeckia subtomentosa	Nt P-FORB	Sweet Black-Eyed Susan
RUDTRI	3	Rudbeckia triloba	Nt B-FORB	Brown-Eyed Susan
RUEHUM	3	Ruellia humilis	Nt P-FORB	Hairy Ruellia
RUEPED	5	Ruellia pedunculata	Nt P-FORB	Wild Petunia
RUESTR	3	Ruellia strepens	Nt P-FORB	Smooth Ruellia
RUMACE	*	RUMEX ACETOSELLA	Ad P-FORB	Field Sorrel
RUMALT	2	Rumex altissimus	Nt P-FORB	Pale Dock
RUMCON	*	RUMEX CONGLOMERATUS	Ad P-FORB	Clustered Dock
RUMCRP†	*	RUMEX CRISPUS	Ad P-FORB	Curly Dock
RUMCRT†	*	RUMEX CRISTATUS	Ad P-FORB	Greek Dock
RUMDEN	*	RUMEX DENTATUS	Ad P-FORB	Asian Dock
RUMFUE	5	Rumex fueginus	Nt A-FORB	Golden Dock
RUMHAS	3	Rumex hastatulus	Nt P-FORB	Wild Sorrel
RUMOBT	*	RUMEX OBTUSIFOLIUS	Ad P-FORB	Bitter Dock
RUMPAT	*	RUMEX PATIENTIA	Ad P-FORB	Patience Dock
RUMPUL	*	RUMEX PULCHER	Ad P-FORB	Fiddle Dock
RUMSTE	*	RUMEX STENOPHYLLUS	Ad P-FORB	Eurasian Dock

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
RUMTRI	3	Rumex triangulivalvis	Nt P-FORB	Mexican Dock
RUMVER	7	Rumex verticillatus	Nt P-FORB	Swamp Dock
RUPMAR	10	Ruppia maritima	Nt P-FORB	Ditch Grass
RUTGRA	*	RUTA GRAVEOLENS	Ad SHRUB	Common Rue
SABANG	4	Sabatia angularis	Nt B-FORB	Rose Gentian
SABBRA	10	Sabatia brachiata	Nt B-FORB	Narrow-Leaved Marsh Pink
SABCAM	4	Sabatia campestris	Nt B-FORB	Prairie Rose Gentian
SACSTR	9	Sacciolepis striata	Nt P-GRASS	Cupscale
SAGDEC	2	Sagina decumbens	Nt A-FORB	Trailing Pearlwort
SAGPRO	*	SAGINA PROCUMBENS	Ad P-FORB	Birdeye Pearlwort
SAGAMB	10	Sagittaria ambigua	Nt P-FORB	Kansas Arrowhead
SAGBRE	5	Sagittaria brevirostra	Nt P-FORB	Engelmann's Arrowhead
SAGCAL	4	Sagittaria calycina	Nt A-FORB	Long-Lobed Arrowhead
SAGGRA	6	Sagittaria graminea	Nt P-FORB	Grass-Leaved Arrowhead
SAGLAT	4	Sagittaria latifolia	Nt P-FORB	Common Arrowhead
SAGPLA	7	Sagittaria platyphylla	Nt P-FORB	Delta Arrowhead
SAGRIG	6	Sagittaria rigida	Nt P-FORB	Stiff Arrowhead
SALEUR	*	SALICORNIA EUROPAEA	Ad A-FORB	Glasswort
SALFRA	*	SALIX × FRAGILIS	Ad TREE	Crack Willow
SALSEP	*	SALIX × SEPULCRALIS	Ad TREE	Weeping Willow
SALALB	*	SALIX ALBA	Ad TREE	White Willow
SALAMY	5	Salix amygdaloides	Nt TREE	Peach-Leaved Willow
SALCAR	4	Salix caroliniana	Nt TREE	Ward's Willow
SALDIS	10	Salix discolor	Nt SHRUB	Pussy Willow
SALERI	5	Salix eriocephala	Nt TREE	Diamond Willow
SALFAM	8	Salix famelica	Nt SHRUB	Yellow Willow
SALHUM	7	Salix humilis	Nt SHRUB	Prairie Willow
SALINT	3	Salix interior	Nt SHRUB	Sandbar Willow
SALNIG	2	Salix nigra	Nt TREE	Black Willow
SALPET	9	Salix petiolaris	Nt SHRUB	Petioled Willow
SALPUR	*	SALIX PURPUREA	Ad SHRUB	Purple Willow
SALSER	9	Salix sericea	Nt SHRUB	Autumn Willow
SALCOL	*	SALSOLA COLLINA	Ad A-FORB	Slender Russian Thistle
SALTRA	*	SALSOLA TRAGUS	Ad A-FORB	Russian Thistle
SALAZU	4	Salvia azurea var grandiflora	Nt P-FORB	Blue Sage
SALCOC	*	SALVIA COCCINEA	Ad A-FORB	Scarlet Sage
SALLYR	3	Salvia lyrata	Nt P-FORB	Lyre-Leaved Sage
SALREF	3	Salvia reflexa	Nt A-FORB	Rocky Mountain Sage
SAMCAN	2	Sambucus canadensis	Nt SHRUB	Elderberry

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SAMPUB	10	Sambucus pubens	Nt SHRUB	Red-Berried Elder
SAMPAR	5	Samolus parviflorus	Nt P-FORB	Water Pimpernel
SANGCA†	5	Sanguinaria canadensis	Nt P-FORB	Bloodroot
SANICA†	3	Sanicula canadensis	Nt B-FORB	Canadian Black Snakeroot
SANODO	2	Sanicula odorata	Nt P-FORB	Clustered Black Snakeroot
SANSMA	10	Sanicula smallii	Nt P-FORB	Small's Black Snakeroot
SAPSAP	10	Sapindus saponaria var drummondii	Nt TREE	Soapberry
SAPOFF	*	SAPONARIA OFFICINALIS	Ad P-FORB	Bouncing Bet
SASALB	2	Sassafras albidum	Nt TREE	Sassafras
SAUCER	6	Saururus cernuus	Nt P-FORB	Lizard's Tail
SCAATR	*	SCABIOSA ATROPURPUREA	Ad P-FORB	Pincushions
SCHPAN	3	Schedonnardus paniculatus	Nt P-GRASS	Tumble Grass
SCHSCO	5	Schizachyrium scoparium◄	Nt P-GRASS	Little Bluestem
SCHACU	7	Schoenoplectus acutus	Nt P-SEDGE	Hard-Stemmed Bulrush
SCHAME	10	Schoenoplectus americanus	Nt P-SEDGE	Saltmarsh Bulrush
SCHCAL	*	SCHOENOPLECTUS CALIFORNICUS	Ad P-SEDGE	California Bulrush
SCHDEL	10	Schoenoplectus deltarum	Nt P-SEDGE	Delta Bulrush
SCHETU	10	Schoenoplectus etuberculatus	Nt P-SEDGE	Canby's Bulrush
SCHHAL	10	Schoenoplectus hallii	Nt A-SEDGE	Hall's Bulrush
SCHHET	7	Schoenoplectus heterochaetus	Nt P-SEDGE	Slender Bulrush
SCHMUC	*	SCHOENOPLECTUS MUCRONATUS	Ad A-SEDGE	Bog Bulrush
SCHPUN	6	Schoenoplectus pungens	Nt P-SEDGE	Chairmaker's Rush
SCHPUR	*	SCHOENOPLECTUS PURSHIANUS	Ad A-SEDGE	Weak-Stalked Bulrush
SCHSAX	9	Schoenoplectus saximontanus	Nt A-SEDGE	Rocky Mountain Bulrush
SCHSUB	10	Schoenoplectus subterminalis	Nt P-SEDGE	Swaying Bulrush
SCHTAB	5	Schoenoplectus tabernaemontani	Nt P-SEDGE	Great Bulrush
SCHTOR	10	Schoenoplectus torreyi	Nt P-SEDGE	Torrey's Bulrush
SCISIB	*	SCILLA SIBERICA	Ad P-FORB	Siberian Squill
SCIATR	3	Scirpus atrovirens	Nt P-SEDGE	Dark Green Rush
SCICYP	5	Scirpus cyperinus	Nt P-SEDGE	Wool Grass
SCIDIV	8	Scirpus divaricatus	Nt P-SEDGE	Spreading Bulrush
SCIGEO	3	Scirpus georgianus	Nt P-SEDGE	Georgia Bulrush
SCIPAL	10	Scirpus pallidus	Nt P-SEDGE	Cloaked Bulrush
SCIPED	10	Scirpus pedicellatus	Nt P-SEDGE	Stalked Bulrush
SCIPEN	5	Scirpus pendulus	Nt P-SEDGE	Red Bulrush
SCIPOL	10	Scirpus polyphyllus	Nt P-SEDGE	Leafy Bulrush
SCIRUB	5	Scirpus rubricosus◄	Nt P-SEDGE	Long-Stalked Wool Grass
SCLANN	*	SCLERANTHUS ANNUUS	Ad A-FORB	Knawel
SCLCIL	8	Scleria ciliata	Nt P-SEDGE	Hairy Nut-Rush

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SCLOLI	8	Scleria oligantha	Nt P-SEDGE	Few-Flowered Nut-Rush
SCLPAU	6	Scleria paucíflora	Nt P-SEDGE	Papillose Nut Rush
SCLRET	10	Scleria reticularis var pubescens	Nt A-SEDGE	Muhlenberg's Nut-Rush
SCLTRI	6	Scleria triglomerata	Nt P-SEDGE	Tall Nut Rush
SCLVER	10	Scleria verticillata	Nt A-SEDGE	Low Nut Rush
SCLDUR	*	SCLEROCHLOA DURA	Ad P-GRASS	Hard Grass
SCRLAN	10	Scrophularia lanceolata	Nt P-FORB	Early Figowrt
SCRMAR	3	Scrophularia marilandica	Nt P-FORB	Late Figwort
SCUBUS	10	Scutellaria bushii	Nt P-FORB	Bush's Skullcap
SCUELL	7	Scutellaria elliptica	Nt P-FORB	Hairy Skullcap
SCUGAL	10	Scutellaria galericulata	Nt P-FORB	Marsh Skullcap
SCUINC	5	Scutellaria incana	Nt P-FORB	Downy Skullcap
SCULAT	5	Scutellaria lateriflora	Nt P-FORB	Mad-Dog Skullcap
SCUNER	8	Scutellaria nervosa	Nt P-FORB	Veiny Skullcap
SCUOVA	5	Scutellaria ovata	Nt P-FORB	Heart-Leaved Skullcap
SCUPAA†	5	Scutellaria parvula var australis	Nt P-FORB	Southern Small Skullcap
SCUPAM†	4	Scutellaria parvula var missouriensis	Nt P-FORB	Leonard's Skullcap
SCUPAP†	4	Scutellaria parvula var parvula	Nt P-FORB	Small Skullcap
SECCER	*	SECALE CEREALE	Ad A-GRASS	Rye
SECVAR	*	SECURIGERA VARIA	Ad P-FORB	Crown Vetch
SEDACR	*	SEDUM ACRE	Ad P-FORB	Mossy Stonecrop
SEDERY	*	SEDUM ERYTHROSTICTUM	Ad P-FORB	Pale-Flowered Stonecrop
SEDNUT	10	Sedum nuttallianum	Nt P-FORB	Yellow Stonecrop
SEDPUL	7	Sedum pulchellum	Nt A-FORB	Widow's Cross
SEDPUR	*	SEDUM PURPUREUM	Ad P-FORB	Live-Forever
SEDREF	*	SEDUM REFLEXUM	Ad P-FORB	Jenny's Stonecrop
SEDSAR	*	SEDUM SARMENTOSUM	Ad P-FORB	Stringy Stonecrop
SEDTER	6	Sedum ternatum	Nt P-FORB	Wild Stonecrop
SELAPO	8	Selaginella apoda	Nt FERN	Marsh Spikemoss
SELECL	8	Selaginella eclipes	Nt FERN	Hidden Spikemoss
SELRUP	8	Selaginella rupestris	Nt FERN	Sand Spikemoss
SELAUR	6	Selenia aurea	Nt A-FORB	Golden Selenia
SENAMP	*	SENECIO AMPULLACEUS	Ad A-FORB	Texas Ragwort
SENVUL	*	SENECIO VULGARIS	Ad A-FORB	Common Groundsel
SENMAR	4	Senna marilandica	Nt P-FORB	Maryland Senna
SENOBT	3	Senna obtusifolia	Nt A-FORB	Sickle Senna
SENOCC	*	SENNA OCCIDENTALIS	Ad A-FORB	Coffee Senna
SESIND	*	SESAMUM INDICUM	Ad A-FORB	Sesame
SESHER	3	Sesbania herbacea	Nt A-FORB	Sesbania

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SESVES	*	SESBANIA VESICARIA	Ad A-FORB	Bagpod
SETFAB	*	SETARIA FABERI	Ad A-GRASS	Giant Foxtail
SETGLA	*	SETARIA GLAUCA	Ad A-GRASS	Yellow Foxtail
SETITA	*	SETARIA ITALICA	Ad A-GRASS	Foxtail Millet
SETPAR	4	Setaria parviflora	Nt P-GRASS	Perennial Foxtail
SETVER	*	SETARIA VERTICILLATA	Ad A-GRASS	Bristly Foxtail
SETVIM†	*	SETARIA VIRIDIS var MAJOR	Ad A-GRASS	Giant Green Foxtail
SETVIV†	*	SETARIA VIRIDIS var VIRIDIS	Ad A-GRASS	Green Foxtail
SHEARV	*	SHERARDIA ARVENSIS	Ad A-FORB	Field Madder
SICANG	4	Sicyos angulatus	Nt A-FORB	Bur Cucumber
SIDELL	10	Sida elliottii	Nt P-FORB	Elliott's Sida
SIDSPI	*	SIDA SPINOSA	Ad A-FORB	Prickly Sida
SIDLAN	5	Sideroxylon lanuginosum subsp oblongifolium	Nt TREE	Gum Bumelia
SIDLYC	10	Sideroxylon lycioides	Nt SHRUB	Southern Buckthorn
SILANT	2	Silene antirrhina	Nt A-FORB	Sleepy Catchfly
SILCAR	9	Silene caroliniana var wherryi	Nt P-FORB	Wild Pink
SILCON	*	SILENE CONOIDEA	Ad A-FORB	Mediterranean Catchfly
SILCSE	*	SILENE CSEREII	Ad B-FORB	Glaucous Campion
SILDIC	*	SILENE DICHOTOMA	Ad A-FORB	Forked Catchfly
SILDIO	*	SILENE DIOICA	Ad B-FORB	Red Campion
SILGAL	*	SILENE GALLICA	Ad A-FORB	French Silene
SILLAT	*	SILENE LATIFOLIA	Ad B-FORB	White Campion
SILNIV	8	Silene nivea	Nt P-FORB	Snowy Campion
SILNOC	*	SILENE NOCTIFLORA	Ad A-FORB	Night-Flowering Catchfly
SILREG	9	Silene regia	Nt P-FORB	Royal Catchfly
SILSTE	5	Silene stellata	Nt P-FORB	Starry Campion
SILVIR	7	Silene virginica	Nt P-FORB	Fire Pink
SILVUL	*	SILENE VULGARIS	Ad P-FORB	Bladder Campion
SILAST	7	Silphium asteriscus	Nt P-FORB	Starry Rosinweed
SILINI†	4	Silphium integrifolium var integrifolium	Nt P-FORB	Rosinweed
SILINL†	4	Silphium integrifolium var laeve	Nt P-FORB	Blue Rosinweed
SILLAC	6	Silphium laciniatum	Nt P-FORB	Compass Plant
SILPER	3	Silphium perfoliatum	Nt P-FORB	Cup Plant
SILRAD	*	SILPHIUM RADULA	Ad P-FORB	Rough-Leaved Rosinweed
SILTER	5	Silphium terebinthinaceum	Nt P-FORB	Prairie Dock
SILMAR	*	SILYBUM MARIANUM	Ad A-FORB	Milk Thistle
SINALB	*	SINAPIS ALBA	Ad A-FORB	White Mustard
SINARV	*	SINAPIS ARVENSIS	Ad A-FORB	Charlock
SISALT	*	SISYMBRIUM ALTISSIMUM	Ad A-FORB	Tumble Mustard

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SISLOE	*	SISYMBRIUM LOESELII	Ad A-FORB	Tall Hedge Mustard
SISOFF	*	SISYMBRIUM OFFICINALE	Ad A-FORB	Hedge Mustard
SISALB	7	Sisyrinchium albidum	Nt P-FORB	Common Blue-eyed Grass
SISANG	5	Sisyrinchium angustifolium	Nt P-FORB	Pointed Blue-Eyed Grass
SISATL	9	Sisyrinchium atlanticum	Nt P-FORB	Eastern Blue-Eyed Grass
SISCAM	5	Sisyrinchium campestre	Nt P-FORB	Prairie Blue-Eyed Grass
SIUSUA	6	Sium suave	Nt P-FORB	Water Parsnip
SMAUVE	8	Smallanthus uvedalius	Nt P-FORB	Yellow-Flower Leafcup
SMIBON	3	Smilax bona-nox	Nt W-VINE	Saw Greenbriar
SMIECI	5	Smilax ecirrhata	Nt P-FORB	Upright Carrion Flower
SMIGLA	4	Smilax glauca	Nt W-VINE	Cat Greenbriar
SMIHIS	3	Smilax hispida	Nt W-VINE	Bristly Greenbriar
SMIILL	9	Smilax illinoensis	Nt P-FORB	Illinois Carrion Flower
SMILAS	5	Smilax lasioneuron	Nt P-FORB	Carrion Flower
SMIPUL	6	Smilax pulverulenta	Nt P-FORB	Powdery Carrion Flower
SMIROT	6	Smilax rotundifolia	Nt W-VINE	Horsebriar
SOLAME	1	Solanum americanum	Nt A-FORB	American Black Nightshade
SOLCAR	0	Solanum carolinense	Nt P-FORB	Horse Nettle
SOLDIM	*	SOLANUM DIMIDIATUM	Ad P-FORB	Western Horse Nettle
SOLDUL	*	SOLANUM DULCAMARA	Ad W-VINE	Bittersweet Nightshade
SOLELA	1	Solanum elaeagnifolium	Nt P-FORB	White Horse Nettle
SOLLYC	*	SOLANUM LYCOPERSICUM	Ad A-FORB	Tomato
SOLNIG	*	SOLANUM NIGRUM	Ad A-FORB	Black Nightshade
SOLPSE	*	SOLANUM PSEUDOCAPSICUM	Ad SHRUB	Jerusalem Cherry
SOLPTY	1	Solanum ptycanthum	Nt A-FORB	West Indian Nightshade
SOLROS	*	SOLANUM ROSTRATUM	Ad A-FORB	Buffalo Bur
SOLSAR	*	SOLANUM SARACHOIDES	Ad P-FORB	Viscid Nightshade
SOLTRI	*	SOLANUM TRIFLORUM	Ad A-FORB	Cutleaf Nightshade
SOLTUB	*	SOLANUM TUBEROSUM	Ad P-FORB	Potato
SOLALA†	1	Solidago altissima var altissima◄	Nt P-FORB	Tall Goldenrod
SOLALG†	3	Solidago altissima var gilvicanescens◄	Nt P-FORB	Tall Goldenrod
SOLARG	7	Solidago arguta	Nt P-FORB	Sharp-Leaved Goldenrod
SOLBUC	8	Solidago buckleyi	Nt P-FORB	Buckley's Goldenrod
SOLCAE	7	Solidago caesia	Nt P-FORB	Blue-Stemmed Goldenrod
SOLCAN	1	Solidago canadensis var hargeri◄	Nt P-FORB	Canada Goldenrod
SOLDRU	8	Solidago drummondii	Nt P-FORB	Drummond's Goldenrod
SOLFLE	7	Solidago flexicaulis	Nt P-FORB	Broad-Leaved Goldenrod
SOLGAT	10	Solidago gattingeri	Nt P-FORB	Gattinger's Goldenrod
SOLGIG	3	Solidago gigantea	Nt P-FORB	Late Goldenrod

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SOLHIS	6	Solidago hispida	Nt P-FORB	White Goldenrod
SOLJUN	4	Solidago juncea	Nt P-FORB	Early Goldenrod
SOLMIS	6	Solidago missouriensis subsp fasciculata	Nt P-FORB	Missouri Goldenrod
SOLNEL†	2	Solidago nemoralis var longipetiolata◄	Nt P-FORB	Old-Field Goldenrod
SOLNEN†	2	Solidago nemoralis var nemoralis◄	Nt P-FORB	Old-Field Goldenrod
SOLODO	8	Solidago odora	Nt P-FORB	Sweet Goldenrod
SOLPAT	10	Solidago patula	Nt P-FORB	Swamp Goldenrod
SOLPET	8	Solidago petiolaris	Nt P-FORB	Downy Goldenrod
SOLRAD	6	Solidago radula	Nt P-FORB	Rough Goldenrod
SOLRUG	6	Solidago rugosa	Nt P-FORB	Rough-Leaved Goldenrod
SOLSPR†	7	Solidago speciosa var rigidiuscula◄	Nt P-FORB	Showy Goldenrod
SOLSPS†	7	Solidago speciosa var speciosa	Nt P-FORB	Showy Goldenrod
SOLULM	4	Solidago ulmifolia	Nt P-FORB	Elm-Leaved Goldenrod
SONARA†	*	SONCHUS ARVENSIS subsp ARVENSIS	Ad P-FORB	Field Sow Thistle
SONARU†	*	SONCHUS ARVENSIS subsp ULIGINOSUS	Ad P-FORB	Common Sow Thistle
SONASP	*	SONCHUS ASPER	Ad A-FORB	Spiny Sow Thistle
SONOLE	*	SONCHUS OLERACEUS	Ad A-FORB	Store-Front Sow Thistle
SORNUT	4	Sorghastrum nutans	Nt P-GRASS	Indian Grass
SORBIC	*	SORGHUM BICOLOR	Ad A-GRASS	Sorghum
SORHAL	*	SORGHUM HALEPENSE	Ad P-GRASS	Johnson Grass
SPAAME	8	Sparganium americanum	Nt P-FORB	American Bur Reed
SPAAND	7	Sparganium androcladum	Nt P-FORB	Branching Bur Reed
SPAEUR	6	Sparganium eurycarpum	Nt P-FORB	Common Bur Reed
SPAPEC	5	Spartina pectinata	Nt P-GRASS	Prairie Cord Grass
SPEARV	*	SPERGULA ARVENSIS	Ad A-FORB	Corn Spurrey
SPESAL	*	SPERGULARIA SALINA	Ad A-FORB	Salt Spurrey
SPEGLA	5	Spermacoce glabra	Nt P-FORB	Smooth Buttonweed
SPEDIV	0	Spermolepis divaricata	Nt A-FORB	Forked Scale-Seed
SPEECH	3	Spermolepis echinata	Nt A-FORB	Bristly-Fruited Spermolepis
SPEINE	3	Spermolepis inermis	Nt A-FORB	Scaleseed
SPHFEN	*	SPHAERALCEA FENDLERI	Ad P-FORB	Plains Globe Mallow
SPHZEY	*	SPHENOCLEA ZEYLANDICA	Ad A-FORB	Chickenspike
SPHNIT	7	Sphenopholis nitida	Nt P-GRASS	Shining Wedge Grass
SPHOBM†	6	Sphenopholis obtusata var major	Nt P-GRASS	Slender Wedge Grass
SPHOBO†	5	Sphenopholis obtusata var obtusata	Nt P-GRASS	Prairie Wedge Grass
SPHPEN	10	Sphenopholis pensylvanica	Nt P-GRASS	Swamp Oats
SPIMAR	8	Spigelia marilandica	Nt P-FORB	Pink-Root
SPIVAN	*	SPIRAEA × VANHOUTTEI	Ad SHRUB	Garden Spiraea
SPIALB	9	Spiraea alba	Nt SHRUB	Meadowsweet

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SPIDOU	*	SPIRAEA DOUGLASII	Ad SHRUB	Douglas' Meadow Sweet
SPIJAP	*	SPIRAEA JAPONICA	Ad SHRUB	Japanese Spiraea
SPIPRU	*	SPIRAEA PRUNIFOLIA	Ad SHRUB	Bridal Wreath
SPITOM	10	Spiraea tomentosa	Nt SHRUB	Steeple Bush
SPICER	5	Spiranthes cernua	Nt P-FORB	Nodding Ladies' Tresses
SPILAC	6	Spiranthes lacera	Nt P-FORB	Slender Ladies' Tresses
SPILUC	10	Spiranthes lucida	Nt P-FORB	Early Ladies' Tresses
SPIMAG	7	Spiranthes magnicamporum	Nt P-FORB	Dune Ladiess' Tresses
SPIOVA	8	Spiranthes ovalis var erostellata	Nt P-FORB	Oval Ladies' Tresses
SPITUB	6	Spiranthes tuberosa	Nt P-FORB	Little Ladies' Tresses
SPIVER	8	Spiranthes vernalis	Nt P-FORB	Spring Ladies' Tresses
SPIPOL	5	Spirodela polyrhiza	Nt P-FORB	Big Duckweed
SPIPUN	*	SPIRODELA PUNCTATA	Ad P-FORB	Greater Duckweed
SPOAIR	*	SPOROBOLUS AIROIDES	Ad P-GRASS	Fine-Top Salt Grass
SPOCLA	5	Sporobolus clandestinus	Nt P-GRASS	Rough Rush Grass
SPOCOC†	3	Sporobolus compositus var compositrus	Nt P-GRASS	Rough Dropseed
SPOCOD†	4	Sporobolus compositus var drummondii	Nt P-GRASS	Rough Dropseed
SPOCOA†	2	Sporobolus compositus var macer	Nt P-GRASS	Rough Dropseed
SPOCRY	4	Sporobolus cryptandrus	Nt P-GRASS	Sand Dropseed
SPOHET	6	Sporobolus heterolepis	Nt P-GRASS	Prairie Dropseed
SPOIND	*	SPOROBOLUS INDICUS	Ad P-GRASS	Smut Grass
SPONEG	2	Sporobolus neglectus	Nt A-GRASS	Small Rush Grass
SPOOZA	2	Sporobolus ozarkanus	Nt A-GRASS	Ozark Dropseed
SPOPYR	*	SPOROBOLUS PYRAMIDATUS	Ad P-GRASS	Whorled Dropseed
SPOVAG	0	Sporobolus vaginiflorus	Nt A-GRASS	Sheathed Rush Grass
STAASP	10	Stachys aspera	Nt P-FORB	Rough Hedge Nteele
STAHIS	6	Stachys hispida	Nt P-FORB	Marsh Hedge Nettle
STAPIL	6	Stachys pilosa	Nt P-FORB	Woundwort
STATEN	4	Stachys tenuifolia	Nt P-FORB	Rough Hedge Nettle
STATRI	5	Staphylea trifolia	Nt SHRUB	Bladdernut
STEHIA	7	Steinchisma hians	Nt P-GRASS	Gaping Panic Grass
STELGR†	*	STELLARIA GRAMINEA	Ad P-FORB	Common Stitchwort
STELON	6	Stellaria longifolia	Nt P-FORB	Stitchwort
STEMEA	*	STELLARIA MEADIA	Ad A-FORB	Common Chickweed
STENEG	*	STELLARIA NEGLECTA	Ad A-FORB	Greater Chickweed
STEPAL	*	STELLARIA PALLIDA	Ad A-FORB	Sand Chickweed
STENGR†	8	Stenanthium gramineum	Nt P-FORB	Featherbells
STELIN	7	Stenosiphon linifolius◄	Nt B-FORB	False Gaura
STESEC	*	STENOTAPHRUM SECUNDATUM	Ad P-GRASS	St Augustine Grass

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
STISPA	8	Stipa spartea	Nt P-GRASS	Porcupine Grass
STRHEH†	2	Strophostyles helvola var helvola◄	Nt A-FORB	Trailing Wild Bean
STRHEM†	4	Strophostyles helvola var missouriensis◄	Nt A-FORB	Trailing Wild Bean
STRLEI	2	Strophostyles leiosperma	Nt A-FORB	Small Wild Bean
STRUMB	3	Strophostyles umbellata	Nt P-FORB	Pink Wild Bean
STYPIC	10	Stylisma pickeringii var pattersonii	Nt P-FORB	Patterson's Stylisma
STYDIP	7	Stylophorum diphyllum	Nt P-FORB	Celandine Poppy
STYBIF	5	Stylosanthes biflora	Nt P-FORB	Pencil Flower
STYAME	9	Styrax americanus	Nt SHRUB	American Snowbell
STYGRA	8	Styrax grandifolius	Nt SHRUB	Big-Leaf Snowbell
SUACAL	*	SUAEDA CALCEOLIFORMIS	Ad A-FORB	Sea Blite
SULSUL	10	Sullivantia sullivantii	Nt P-FORB	Sullivantia
SYMALB	*	SYMPHORICARPOS ALBUS	Ad SHRUB	Snowberry
SYMOCC	10	Symphoricarpos occidentalis	Nt SHRUB	Wolfberry
SYMORB	1	Symphoricarpos orbiculatus	Nt SHRUB	Coralberry
SYMAME	10	Symphyotrichum × amethystinum	Nt P-FORB	Amethyst Aster
SYMANO	6	Symphyotrichum anomalum	Nt P-FORB	Blue Aster
SYMCIL	*	SYMPHYOTRICHUM CILIATUM	Ad A-FORB	Rayless Aster
SYMCOR	7	Symphyotrichum cordifolium	Nt P-FORB	Heart-Leaved Aster
SYMDRU	4	Symphyotrichum drummondii	Nt P-FORB	Drummond's Aster
SYMDUM	7	Symphyotrichum dumosum var strictior	Nt P-FORB	Bushy Aster
SYMERI	5	Symphyotrichum ericoides	Nt P-FORB	Heath Aster
SYMFAL	*	SYMPHYOTRICHUM FALCATUM subsp COMMUTATUM	Ad P-FORB	White Prairie Aster
SYMLAE	7	Symphyotrichum laeve	Nt P-FORB	Smooth Blue Aster
SYMLAI†	3	Symphyotrichum lanceolatum var interior	Nt P-FORB	Marsh Aster
SYMLAL†	3	Symphyotrichum lanceolatum var lanceolatum	Nt P-FORB	Panicled Aster
SYMLAT	3	Symphyotrichum lateriflorum	Nt P-FORB	Side-Flowering Aster
SYMNOV	4	Symphyotrichum novae-angliae	Nt P-FORB	New England Aster
SYMOBL	6	Symphyotrichum oblongifolium	Nt P-FORB	Aromatic Aster
SYMONT	3	Symphyotrichum ontarionis	Nt P-FORB	Ontario Aster
SYMOOL	7	Symphyotrichum oolentangiense	Nt P-FORB	Azure Aster
SYMPAR	4	Symphyotrichum parviceps	Nt P-FORB	Small-Headed Aster
SYMPAT	5	Symphyotrichum patens	Nt P-FORB	Spreading Aster
SYMPIP†	0	Symphyotrichum pilosum var pilosum	Nt P-FORB	Hairy Aster
SYMPIG†	2	Symphyotrichum pilosum var pringlei◄	Nt P-FORB	Hairy Aster
SYMPRA	6	Symphyotrichum praealtum	Nt P-FORB	Willow Aster
SYMPUN	10	Symphyotrichum puniceum	Nt P-FORB	Swamp Aster
SYMRAC	5	Symphyotrichum racemosum var subdumosum	Nt P-FORB	Small White Aster

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
SYMSER	9	Symphyotrichum sericeum	Nt P-FORB	Silky Aster
SYMSUB	*	SYMPHYOTRICHUM SUBULATUM var LIGULATUM	Ad A-FORB	Salt Marsh Aster
SYMTUR	6	Symphyotrichum turbinellum	Nt P-FORB	Prairie Aster
SYMURO	4	Symphyotrichum urophyllum	Nt P-FORB	Arrow-Leaved Aster
SYMOFF	*	SYMPHYTUM OFFICINALE	Ad P-FORB	Common Comfrey
SYRVUL	*	SYRINGA VULGARIS	Ad SHRUB	Lilac
TAEINT	6	Taenidia integerrima	Nt P-FORB	Yellow Pimpernel
TAGERE	*	TAGETES ERECTA	Ad A-FORB	African Marigold
TAGPAT	*	TAGETES PATULA	Ad A-FORB	French Marigold
TALPAN	*	TALINUM PANICULATUM	Ad P-FORB	Panicled Flameflower
TAMRAM	*	TAMARIX RAMOSISSIMA	Ad SHRUB	French Tamarisk
TANBAL	*	TANACETUM BALSAMITA	Ad P-FORB	Costmary
TANPAR	*	TANACETUM PARTHENIUM	Ad P-FORB	Feverfew
TANVUL	*	TANACETUM VULGARE	Ad P-FORB	Tansy
TARERY	*	TARAXACUM ERYTHROSPERMUM	Ad P-FORB	Red-Seeded Dandelion
TAROFF	*	TARAXACUM OFFICINALE	Ad P-FORB	Common Dandelion
TAXDIS	8	Taxodium distichum	Nt TREE	Bald Cypress
TEPVIR	5	Tephrosia virginiana	Nt P-FORB	Goat's Rue
TETDAN	*	TETRADIUM DANIELII	Ad TREE	Korean Evodia
TEUCAC†	2	Teucrium canadense var canadense	Nt P-FORB	Germander
TEUCAO†	2	Teucrium canadense var occidentale	Nt P-FORB	Germander
THADEA	8	Thalia dealbata	Nt P-FORB	Thalia
THADAS	4	Thalictrum dasycarpum	Nt P-FORB	Purple Meadow Rue
THADIO	8	Thalictrum dioicum	Nt P-FORB	Early Meadow Rue
THAREV	5	Thalictrum revolutum	Nt P-FORB	Waxy Meadow Rue
THATHA	5	Thalictrum thalictroides	Nt P-FORB	Rue Anemone
THABAR	7	Thaspium barbinode	Nt P-FORB	Hairy Meadow Parsnip
THATRF†	6	Thaspium trifoliatum var flavum	Nt P-FORB	Yellow Meadow Parsnip
THATRT†	6	Thaspium trifoliatum var trifoliatum	Nt P-FORB	Purple Meadow Parsnip
THEFIL	5	Thelesperma filifolium	Nt B-FORB	Greenthread
THEMEG	*	THELESPERMA MEGAPOTAMICUM	Ad P-FORB	Rayless Greenthread
THEPAL	10	Thelypteris palustris var pubescens	Nt FERN	Marsh Fern
THLALL	*	THLASPI ALLIACEUM	Ad A-FORB	Roadside Pennycress
THLARV	*	THLASPI ARVENSE	Ad A-FORB	Field Pennycress
TIDLAN	*	TIDESTROMIA LANUGINOSA	Ad A-FORB	Wooly Tidestromia
TILAMA†	5	Tilia americana var americana	Nt TREE	Basswood
TILAMH†	7	Tilia americana var heterophylla	Nt TREE	White Basswood
TIPDIS	10	Tipularia discolor	Nt P-FORB	Crane-Fly Orchid
TIQNUT	*	TIQUILIA NUTTALLII	Ad P-FORB	Rosette Tiquilia

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
TORARV	*	TORILIS ARVENSIS	Ad A-FORB	Field Hedge Parsley
TORJAP	*	TORILIS JAPONICA	Ad A-FORB	Japanese Hedge Parsley
TORNOD	*	TORILIS NODOSA	Ad A-FORB	Knotted Hedge Parsley
TORPAL	10	Torreyochloa pallida	Nt P-GRASS	Pale Manna Grass
TOXPUB	7	Toxicodendron pubescens	Nt W-VINE	Eastern Poison Oak
TOXRAD	1	Toxicodendron radicans	Nt W-VINE	Poison Ivy
TRADIF	6	Trachelospermum difforme	Nt W-VINE	Climbing Dogbane
TRABRA	7	Tradescantia bracteata	Nt P-FORB	Long-Bracted Spiderwort
TRAERN	8	Tradescantia ernestiana	Nt P-FORB	Palmer's Spiderwort
TRALON	8	Tradescantia longipes	Nt P-FORB	Wild Crocus
TRAOHI	3	Tradescantia ohiensis	Nt P-FORB	Common Spiderwort
TRAOZA	10	Tradescantia ozarkana	Nt P-FORB	Ozark Spiderwort
TRASUB	8	Tradescantia subaspera	Nt P-FORB	Zigzag Spiderwort
TRATHA	9	Tradescantia tharpii	Nt P-FORB	Tharp's Spiderwort
TRAVIR	6	Tradescantia virginiana	Nt P-FORB	Virginia Spiderwort
TRABET	4	Tragia betonicifolia	Nt P-FORB	Noseburn
TRACOR	9	Tragia cordata	Nt P-FORB	Twining Tragia
TRARAM	7	Tragia ramosa	Nt P-FORB	Branching Tragia
TRADUB	*	TRAGOPOGON DUBIUS	Ad B-FORB	Yellow Salsify
TRAPOR	*	TRAGOPOGON PORRIFOLIUS	Ad B-FORB	Meadow Salsify
TRAPRA	*	TRAGOPOGON PRATENSIS	Ad B-FORB	Common Goat's Beard
TRACAR	10	Trautvettaria caroliniensis	Nt P-FORB	False Bugbane
TREAET	7	Trepocarpus aethusae	Nt A-FORB	Whitenymph
TRITUB	10	Triadenum tubulosum	Nt P-FORB	Marsh St John's Wort
TRIWAL	9	Triadenum walteri	Nt P-FORB	Walter's Marsh St John's Wort
TRIPOR	*	TRIANTHEMA PORTULACASTRUM	Ad P-FORB	Desert Purslane
TRITER	*	TRIBULUS TERRESTRIS	Ad A-FORB	Caltrop
TRIPLA	9	Trichophorum planifolium	Nt P-SEDGE	Wood Club-Rush
TRIBRA	4	Trichostema brachiatum	Nt A-FORB	False Pennyroyal
TRIDIC	6	Trichostema dichotomum	Nt A-FORB	Blue Curls
TRISET	10	Trichostema setaceum	Nt A-FORB	Bristly Blue Curls
TRIFLC†	6	Tridens flavus var chapmanii	Nt P-GRASS	Chapman's Redtop
TRIFLF†	1	Tridens flavus var flavus	Nt P-GRASS	False Redtop
TRIMUT	10	Tridens muticus var elongatus	Nt P-GRASS	Long-Panicled Three-Toothed Grass
TRISTC†	5	Tridens strictus	Nt P-GRASS	Longspike Tridens
TRIARV	*	TRIFOLIUM ARVENSE	Ad A-FORB	Rabbit-Foot Clover
TRIAUR	*	TRIFOLIUM AUREUM	Ad A-FORB	Yellow Hop Clover
TRICAM	*	TRIFOLIUM CAMPESTRE	Ad A-FORB	Low Hop Clover

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
TRICAR	10	Trifolium carolinianum	Nt P-FORB	Carolina Clover
TRIDUB	*	TRIFOLIUM DUBIUM	Ad A-FORB	Little Hop Clover
TRIHYB	*	TRIFOLIUM HYBRIDUM	Ad P-FORB	Alsike Clover
TRIINC	*	TRIFOLIUM INCARNATUM	Ad A-FORB	Crimson Clover
TRIPRA	*	TRIFOLIUM PRATENSE	Ad P-FORB	Red Clover
TRIREF	8	Trifolium reflexum	Nt A-FORB	Buffalo Clover
TRIREP	*	TRIFOLIUM REPENS	Ad P-FORB	White Clover
TRIRES	*	TRIFOLIUM RESUPINATUM	Ad A-FORB	Persian Clover
TRISTO	10	Trifolium stoloniferum	Nt P-FORB	Running Buffalo Clover
TRISTT†	*	TRIFOLIUM STRIATUM	Ad A-FORB	Knotted Clover
TRIVES	*	TRIFOLIUM VESCICULOSUM	Ad A-FORB	Arrowleaf Clover
TRIFLE	8	Trillium flexipes	Nt P-FORB	Declined Trillium
TRINIV	9	Trillium nivale	Nt P-FORB	Snow Trillium
TRIPUS	9	Trillium pusillum var ozarkanum	Nt P-FORB	Ozark Wake Robin
TRIREC	6	Trillium recurvatum	Nt P-FORB	Red Trillium
TRISES	5	Trillium sessile	Nt P-FORB	Toad Trillium
TRIVIE†	7	Trillium viride	Nt P-FORB	Blunt-Leaved Green Trillium
TRIVIS†	7	Trillium viridescens	Nt P-FORB	Sharp-Leaved Green Trillium
TRIBIF	3	Triodanis biflora	Nt A-FORB	Small Venus' Looking Glass
TRIHOL	10	Triodanis holzingeri	Nt A-FORB	Holzinger's Venus' Looking Glass
TRILAM	6	Triodanis lamprosperma	Nt A-FORB	Shining-Seed Venus' Looking Glass
TRILEP	5	Triodanis leptocarpa	Nt A-FORB	Venus' Looking Glass
TRIPFL†	2	Triodanis perfoliata	Nt A-FORB	Perfoliate Venus' Looking Glass
TRIOAN†	6	Triosteum angustifolium	Nt P-FORB	Yellow-Flowered Horse Gentian
TRIOAU†	6	Triosteum aurantiacum	Nt P-FORB	Early Horse Gentian
TRIOPE†	4	Triosteum perfoliatum	Nt P-FORB	Late Horse Gentian
TRITRI	9	Triphora trianthophora	Nt P-FORB	Nodding Pogonia
TRIPUR	7	Triplasis purpurea	Nt A-GRASS	Sand Grass
TRIINO	*	TRIPLEUROSPERMUM INODORUM	Ad A-FORB	Scentless Chamomile
TRIDAC	5	Tripsacum dactyloides	Nt P-GRASS	Gama Grass
TRIFLA	*	TRISETUM FLAVESCENS	Ad P-GRASS	Yellow Oats
TRIAES	*	TRITICUM AESTIVUM	Ad A-GRASS	Wheat
TSUCAN	*	TSUGA CANADENIS	Ad TREE	Eastern Hemlock
TURGLA	8	Turritis glabra	Nt B-FORB	Tower Mustard
TYPGLA	0	Typha × glauca	Nt P-FORB	Blue Cattail
TYPANG	0	Typha angustifolia	Nt P-FORB	Narrow-Leaved Cattail
TYPDOM	2	Typha domingensis	Nt P-FORB	Southern Cattail

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
TYPLAT	1	Typha latifolia	Nt P-FORB	Common Cattail
ULMINT	*	ULMUS × INTERMEDIA	Ad TREE	Hybrid Elm
ULMALA	4	Ulmus alata	Nt TREE	Winged Elm
ULMAME	4	Ulmus americana	Nt TREE	American Elm
ULMCRA	10	Ulmus crassifolia	Nt TREE	Cedar Elm
ULMMIN	*	ULMUS MINOR	Ad TREE	English Elm
ULMPUM	*	ULMUS PUMILA	Ad TREE	Siberian Elm
ULMRUB	5	Ulmus rubra	Nt TREE	Slippery Elm
ULMTHO	10	Ulmus thomasi	Nt TREE	Rock Elm
UROPLA	*	UROCHLOA PLATYPHYLLA	Ad A-GRASS	Fringed Signal Grass
URORAM	*	UROCHLOA RAMOSA	Ad A-GRASS	Browntop Millet
UROTEX	*	UROCHLOA TEXANA	Ad A-GRASS	Texas Millet
URTCHA	8	Urtica chamaedryoides	Nt A-FORB	Nettle
URTDID†	*	URTICA DIOICA subsp DIOICA	Ad P-FORB	European Nettle
URTDIG†	3	Urtica dioica subsp gracilis	Nt P-FORB	Tall Nettle
URTURE	*	URTICA URENS	Ad A-FORB	Burning Nettle
UTRGIB	6	Utricularia gibba	Nt P-FORB	Humped Bladderwort
UTRMIN	10	Utricularia minor	Nt P-FORB	Lesser Bladderwort
UTRSUB	10	Utricularia subulata	Nt P-FORB	Hair Bladderwort
UTRVUL	7	Utricularia vulgaris subsp macrorhiza	Nt P-FORB	Great Bladderwort
UVUGRA	6	Uvularia grandiflora	Nt P-FORB	Bellwort
UVUSES	8	Uvularia sessilifolia	Nt P-FORB	Little Bellwort
VACHIS	*	VACCARIA HISPANICA	Ad A-FORB	Cow Herb
VACARB	6	Vaccinium arboreum	Nt SHRUB	Farkleberry
VACCOR	*	VACCINIUM CORYMBOSUM	Ad SHRUB	Highbush Blueberry
VACPAL	4	Vaccinium pallidum	Nt SHRUB	Late Low Blueberry
VACSTA	6	Vaccinium stamineum	Nt SHRUB	Deerberry
VALLOC	*	VALERIANELLA LOCUSTA	Ad A-FORB	Corn Salad
VALOZA	8	Valerianella ozarkana	Nt A-FORB	Ozark Corn Salad
VALRAD	0	Valerianella radiata	Nt A-FORB	Beaked Corn Salad
VALAME	10	Vallisneria americana	Nt P-FORB	Eel Grass
VERWOO	8	Veratrum woodii	Nt P-FORB	False Hellebore
VERBLA	*	VERBASCUM BLATTARIA	Ad B-FORB	Moth Mullein
VERLYC	*	VERBASCUM LYCHNITIS	Ad B-FORB	White Mullein
VERPHL	*	VERBASCUM PHLOMOIDES	Ad B-FORB	Clasping Mullein
VERTHA	*	VERBASCUM THAPSUS	Ad B-FORB	Common Mullein
VERBON	*	VERBENA BONARIENSIS	Ad A-FORB	Garden Vervain
VERBRC†	0	Verbena bracteata	Nt P-FORB	Creeping Vervain
VERBRS†	*	VERBENA BRASILIENSIS	Ad P-FORB	Brazilian Vervain

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
VERHAS	4	Verbena hastata	Nt P-FORB	Blue Vervain
VERSIM	3	Verbena simplex	Nt P-FORB	Narrow-Leaved Vervain
VERSTR	2	Verbena stricta	Nt P-FORB	Hoary Vervain
VERURT	2	Verbena urticifolia	Nt P-FORB	White Vervain
VERALT	4	Verbesina alternifolia	Nt P-FORB	Wingstem
VERENC	*	VERBESINA ENCELIOIDES	Ad A-FORB	Golden Crownbeard
VERHEL	5	Verbesina helianthoides	Nt P-FORB	Yellow Crownbeard
VERBVI†	5	Verbesina virginica	Nt P-FORB	White Crownbeard
VERARK	7	Vernonia arkansana	Nt P-FORB	Great Ironweed
VERBAL	2	Vernonia baldwinii◀	Nt P-FORB	Western Ironweed
VERFAS	7	Vernonia fasciculata	Nt P-FORB	Common Ironweed
VERGIG	6	Vernonia gigantea	Nt P-FORB	Tall Ironweed
VERMIS	5	Vernonia missurica	Nt P-FORB	Missouri Ironweed
VERAME	10	Veronica americana	Nt P-FORB	American Brooklime
VERANA	*	VERONICA ANAGALLIS-AQUATICA	Ad P-FORB	Blue Water Speedwell
VERARV	*	VERONICA ARVENSIS	Ad A-FORB	Corn Speedwell
VERBEC	*	VERONICA BECCABUNGA	Ad P-FORB	Brooklime
VERCAT	10	Veronica catenata	Nt P-FORB	Water Speedwell
VERCHA	*	VERONICA CHAMAEDRYS	Ad P-FORB	Germander Speedwell
VERHED	*	VERONICA HEDERIFOLIA	Ad A-FORB	Ivy-Leaved Speedwell
VERLON	*	VERONICA LONGIFOLIA	Ad P-FORB	Garden Speedwell
VERPEG†	0	Veronica peregrina	Nt A-FORB	Puslane Speedwell
VERPES†	*	VERONICA PERSICA	Ad A-FORB	Bird's Eye
VERPOL	*	VERONICA POLITA	Ad A-FORB	Wayside Speedwell
VERSCH	*	VERONICA SCHEEREI	Ad P-FORB	Creeping Speedwell
VERSER	*	VERONICA SERPYLLIFOLIA	Ad P-FORB	Thyme-Leaved Speedwell
VERTEU	*	VERONICA TEUCRIUM	Ad P-FORB	Saw-Leaved Speedwell
VERTRI	*	VERONICA TRIPHYLLOS	Ad A-FORB	Finger Speedwell
VEROVI†	7	Veronicastrum virginicum	Nt P-FORB	Culver's Root
VIBBRA	10	Viburnum bracteatum	Nt SHRUB	Ozark Arrowwood
VIBDEN	10	Viburnum dentatum	Nt SHRUB	Southern Arrow-Wood
VIBLAN	*	VIBURNUM LANTANA	Ad SHRUB	Wayfaring Tree
VIBLEN	5	Viburnum lentago	Nt SHRUB	Nannyberry
VIBMOL	8	Viburnum molle	Nt SHRUB	Arrow-Wood
VIBOPU	*	VIBURNUM OPULUS var OPULUS	Ad SHRUB	European Highbush Cranberry
VIBPRU	4	Viburnum prunifolium	Nt SHRUB	Black Haw
VIBRAF	7	Viburnum rafinesquianum	Nt SHRUB	Downy Arrow-Wood
VIBREC	3	Viburnum recognitum	Nt SHRUB	Smooth Arrow-Wood
VIBRUF	4	Viburnum rufidulum	Nt SHRUB	Southern Black Haw

Table 2.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
VICAME	8	Vicia americana	Nt P-FORB	American Vetch
VICCAR	6	Vicia caroliniana	Nt P-FORB	Wood Vetch
VICCRA	*	VICIA CRACCA	Ad P-FORB	Cow Vetch
VICGRA	*	VICIA GRANDIFLORA	Ad A-FORB	Big Flower Vetch
VICHIR	*	VICIA HIRSUTA	Ad A-FORB	Tiny Vetch
VICLUD	10	Vicia ludoviciana	Nt A-FORB	Deer Pea Vetch
VICMIN	7	Vicia minutiflora	Nt A-FORB	Pygmy-Flowered Vetch
VICSAT	*	VICIA SATIVA subsp NIGRA	Ad A-FORB	Common Vetch
VICVIA†	*	VICIA VILLOSA subsp VARIA	Ad A-FORB	Woolly-Pod Vetch
VICVII†	*	VICIA VILLOSA subsp VILLOSA	Ad A-FORB	Hairy Vetch
VIGUNG	*	VIGNA UNGUICULATA	Ad A-FORB	Cowpea
VINMAJ	*	VINCA MAJOR	Ad SHRUB	Greater Periwinkle
VINMIN	*	VINCA MINOR	Ad SHRUB	Common Periwinkle
VIOAFF	10	Viola affinis	Nt P-FORB	Sand Violet
VIOARV	*	VIOLA ARVENSIS	Ad A-FORB	Field Pansy
VIOBIC	0	Viola bicolor	Nt A-FORB	Johnny Jump Up
VIOCUC	10	Viola cucullata	Nt P-FORB	Hooded Violet
VIOLAN	7	Viola lanceolata	Nt P-FORB	Lance-Leaved Violet
VIOMIS	6	Viola missouriensis	Nt P-FORB	Missouri Violet
VIONEP	3	Viola nephrophylla◀	Nt P-FORB	Blue Prairie Violet
VIOPAN†	10	Viola pallens	Nt P-FORB	Smooth White Violet
VIOPAT†	5	Viola palmata	Nt P-FORB	Three-Leaved Violet
VIOPEA†	5	Viola pedata	Nt P-FORB	Bird's Foot Violet
VIOPEF†	10	Viola pedatifida	Nt P-FORB	Prairie Violet
VIOPUB	5	Viola pubescens	Nt P-FORB	Smooth Yellow Violet
VIOSAG	6	Viola sagittata	Nt P-FORB	Arrow-Leaved Violet
VIOSOR	2	Viola sororia	Nt P-FORB	Hairy Wood Violet
VIOSTR	3	Viola striata	Nt P-FORB	Cream Violet
VIOTRI	*	VIOLA TRICOLOR	Ad A-FORB	Pansy Violet
VIOVIA	7	Viola viarum	Nt P-FORB	Plains Violet
VITNEG	*	VITEX NEGUNDO	Ad SHRUB	Chinese Chaste Tree
VITAES	5	Vitis aestivalis	Nt W-VINE	Summer Grape
VITCIN	3	Vitis cinerea	Nt W-VINE	Winter Grape
VITLAB	*	VITIS LABRUSCANA	Ad W-VINE	Fox Grape
VITPAL	6	Vitis palmata	Nt W-VINE	Red Grape
VITRIP	4	Vitis riparia	Nt W-VINE	Riverbank Grape
VITROT	10	Vitis rotundifolia	Nt W-VINE	Muscadine Grape
VITRUP	7	Vitis rupestris	Nt W-VINE	Sand Grape
VITVUL	5	Vitis vulpina	Nt W-VINE	Frost Grape

Table 1.

ACRON	C	SCIENTIFIC NAME	PHYSIOG	COMMON NAME
VULBRO	*	VULPIA BROMOIDES	Ad A-GRASS	Brome-Like Fescue
VULELL	3	Vulpia elliotea	Nt A-GRASS	Squirrel-Tail Fescue
VULMYU	*	VULPIA MYUROS	Ad A-GRASS	Mouse-Tail Fescue
VULOCG†	2	Vulpia octoflora var glauca	Nt A-GRASS	Six-Weeks Fescue
VULOCO†	3	Vulpia octoflora var octoflora	Nt A-GRASS	Six-Weeks Fescue
WISFRU	4	Wisteria frutescens	Nt W-VINE	Wisteria
WISSIN	*	WISTERIA SINENSIS	Ad W-VINE	Chinese Wisteria
WOLBOR	9	Wolffia borealis	Nt P-FORB	Dotted Water Meal
WOLBRA	8	Wolffia brasiliensis	Nt P-FORB	Pointed Water Meal
WOLCOL	7	Wolffia columbiana	Nt P-FORB	Common Water Meal
WOLGLA	10	Wolffiella gladiata	Nt P-FORB	Mud Midget
WOOOBT	5	Woodsia obtusa	Nt FERN	Cliff Fern
WOOARE	9	Woodwardia areolata	Nt FERN	Netted Chain Fern
XANSPI	*	XANTHIUM SPINOSUM	Ad A-FORB	Spiny Cocklebur
XANSTR	0	Xanthium strumarium	Nt A-FORB	Cocklebur
XYRJUP	10	Xyris jupicai	Nt A-FORB	Tall Yellow-Eyed Grass
XYRTOR	8	Xyris torta	Nt P-FORB	Yellow-Eyed Grass
YUCARK	9	Yucca arkansana	Nt SHRUB	Soft Soapweed
YUCGLA	10	Yucca glauca	Nt SHRUB	Soapweed
YUCSMA	*	YUCCA SMALLIANA	Ad SHRUB	Adam's Needle
ZANPAL	8	Zannichellia palustris	Nt P-FORB	Horned Pondweed
ZANAME	4	Zanthoxylum americanum	Nt SHRUB	Prickly Ash
ZEAMAY	*	ZEA MAYS	Ad A-GRASS	Corn
ZELCAL	*	ZELTNERA CALYCOSA	Ad A-FORB	Arizona Centaury
ZELTEX	9	Zeltnera texensis	Nt A-FORB	Lady Bird's Centaury
ZIGELE	10	Zigadenus elegans subsp glaucus	Nt P-FORB	White Camas
ZIGNUT	10	Zigadenus nuttallii	Nt P-FORB	Death Camas
ZIZAQU	*	ZIZANIA AQUATICA	Ad A-GRASS	Wild Rice
ZIZPAL	10	Zizania palustris var interior	Nt A-GRASS	Inland Wild Rice
ZIZMIL	9	Zizaniopsis miliacea	Nt P-GRASS	Water Millet
ZIZAPT	7	Zizia aptera	Nt P-FORB	Heart-Leaved Meadow Parsnip
ZIZAUR	5	Zizia aurea	Nt P-FORB	Golden Alexanders

ECOLOGICAL CHECKLIST OF THE MISSOURI FLORA

TABLE 2.
Synonymy crosswalk for the Missouri flora with Steyermark (1963), Yatskievych (1999, 2006, 2013), and USDA, NRCS (2014) An exclamation mark in the column indicates congruity with the names used in this list See also discussion in the synonymy section of text

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
ABUTILON THEOPHRASTI	!	!	!
Acaciella angustissima	Acacia angustissima var hirta	!	Acacia angustissima var hirta
Acalypha deamii	(A rhomboidea var deamii)	!	!
Acalypha gracilens	as vars gracilens & fraseri	!	!
Acalypha monococca	A gracilens var monococca	!	!
Acalypha ostryifolia	A "ostyraefolia"	!	A "ostryifolia"
Acalypha rhomboidea	!	!	!
Acalypha virginica	!	!	!
ACER GINNALA	not included	!	!
Acer negundo	! incl vars interius, texanum & violaceum	! incl var texanum	! incl var interius, texanum, & violaceum
Acer rubrum var drummondii	!	!	!
Acer rubrum var rubrum	!	! in part	!
Acer rubrum var trilobum	!	A rubrum var rubrum in part	!
Acer saccharinum	!	!	!
Acer saccharum subsp floridanum	as var floridanum	!	A barbatum
Acer saccharum subsp nigrum	A nigrum	!	A nigrum
Acer saccharum subsp saccharum	as var saccharum	!	! incl var schneckii
Acer saccharum subsp schneckii	as f schneckii	!	as var schneckii
Achillea millefolium	! incl subsp lanulosa	!	! incl var occidentalis
ACHILLEA PTARMICA	!	!	!
ACHYRANTHES JAPONICA	not included	not included	!
Acmella oppositifolia	Spilanthes americana var repens	as var repens	as var repens
Acmispon americanus	Lotus purshianus	!	L unifoliolatus
Aconitum uncinatum	not included	!	!
ACORUS CALAMUS	!	!	!
Actaea pachypoda	!	!	!
Actaea racemosa	Cimicifuga racemosa	!	!

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
ACTINIDIA CHINENSIS var DELICIOSA	not included	not included	'
Adiantum capillus-veneris	'	'	'
Adiantum pedatum	'	'	'
ADONIS ANNUA	A aestivalis var citrina	'	'
AEGILOPS CYLINDRICA	'	'	'
AESCHYNOMENE INDICA	not included	'	'
AESCHYNOMENE RUDIS	not included	'	'
Aesculus glabra var glabra	'	'	'
Aesculus glabra var arguta	'	'	'
Aesculus pavia	'	'	'
Agalinis aspera	Gerardia aspera	'	'
Agalinis auriculata	Gerardia auriculata	'	'
Agalinis fasciculata	Gerardia fasciculata	'	'
Agalinis gattingeri	Gerardia gattingeri	'	'
Agalinis heterophylla	Gerardia heterophylla	'	'
Agalinis purpurea	Gerardia purpurea	'	'
Agalinis skinneriana	Gerardia skinneriana	'	'
Agalinis tenuifolia	Gerardia tenuifolia incl vars macrophylla & parviflora	'	' incl vars macrophylla & parviflora
Agalinis viridis	Gerardia viridis	'	'
Agastache nepetoides	'	'	'
Agastache scrophulariifolia	A "scrophulariaefolia"	'	'
Ageratina altissima	Eupatorium rugosum incl var tomentellum	'	'
AGERATUM CONYZOIDES	'	'	'
Agrimonia gryposepala	'	'	'
Agrimonia parviflora	'	'	'
Agrimonia pubescens	'	'	'
Agrimonia rostellata	'	'	'
AGROPYRON CRISTATUM	not included	'	'
AGROSTEMMA GITHAGO	'	'	'
AGROSTIS CAPILLARIS	A tenuis	'	'
Agrostis elliottiana	'	'	'
AGROSTIS GIGANTEA	A alba var alba	'	'
Agrostis hyemalis	'	'	'
Agrostis perennans var aestivalis	'	A perennans in part	A perennans in part
Agrostis perennans var perennans	'	A perennans in part	A perennans in part

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
AGROSTIS STOLONIFERA	A alba var plaustris	as var palustris	'
AILANTHUS ALTISSIMA	'	'	'
AIRA CARYOPHYLLEA	'	'	'
AIRA ELEGANS	'	'	'
AJUGA REPTANS	not included	'	'
AKEBIA QUINATA	not included	'	'
ALBIZIA JULIBRISSIN	"Albizzia" julibrissin	'	'
ALCEA ROSEA	Althaea rosea	'	'
Alisma gramineum	not included	'	'
Alisma subcordatum	A plantago-aquatica var parviflorum	'	'
Alisma triviale	A plantago-aquatica incl var americanum	'	'
ALLIARIA PETIOLATA	not included	'	'
Allium burdickii	A tricoccum in part	'	'
Allium canadense	'	as var canadense	as var canadense
ALLIUM CEPA	'	' incl var viviparum	'
Allium cernuum	'	'	'
Allium mutabile	'	A canadense vars lavendulare & mobilense	A canadense vars lavendulare & mobilense
ALLIUM SATIVUM	'	'	'
Allium stellatum	'	'	'
Allium tricoccum	in part	'	'
ALLIUM TUBEROSUM	not included	not included	'
ALLIUM VINEALE	'	'	' incl subsp compactum
ALNUS GLUTINOSA	not included	'	'
Alnus serrulata	'	'	'
Alopecurus aequalis	'	'	'
Alopecurus carolinianus	'	'	'
ALOPECURUS PRATENSIS	'	'	'
ALYSSUM ALYSSOIDES	'	'	'
ALYSSUM DESERTORUM	not included	'	'
Amaranthus albus	' incl var pubescens	'	'
AMARANTHUS ARENICOLA	A torreyi	'	'
AMARANTHUS BLITOIDES	A graecizans	'	'
AMARANTHUS BLITUM var EMARGINATUS	not included	'	'
AMARANTHUS CAUDATUS	in part	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
AMARANTHUS CRUENTUS	A. caudatus in part	'	'
Amaranthus hybridus	in part	'	'
AMARANTHUS HYPOCHONDRIACUS	A. hybridus in part	'	'
AMARANTHUS PALMERI	'	'	'
AMARANTHUS POWELLII	'	'	'
AMARANTHUS RETROFLEXUS	'	'	'
AMARANTHUS SPINOSUS	'	'	'
AMARANTHUS TRICOLOR	not included	'	'
Amaranthus tuberculatus	' incl. A. tamariscinus	'	'
AMARANTHUS VIRIDIS	not included	'	'
AMBROSIA ACANTHICARPA	Franseria acanthicarpa	'	'
Ambrosia artemisiifolia	as var. elatior	'	as var. elatior
Ambrosia bidentata	'	'	'
Ambrosia psilostachya	A. coronopifolia	'	'
AMBROSIA TOMENTOSA	Franseria discolor	'	'
Ambrosia trifida	' incl. var. texana	'	' incl. var. texana
Amelanchier arborea	'	'	'
AMELANCHIER HUMILIS	'	'	'
Amianthium muscitoxicum	A. "muscaetoxicum"	'	'
Ammannia coccinea	'	'	'
Ammannia robusta	A. auriculata	'	'
AMMI MAJUS	'	'	'
AMMOSELINUM BUTLERI	(')	'	'
Amorpha canescens	'	'	'
Amorpha fruticosa	' incl. vars. angustifolia, croceolanata, oblongifolia & tennesseensis	'	'
Amorpha nitens	not included	(')	'
Ampelopsis arborea	'	'	'
AMPELOPSIS BREVIPEDUNCULATA	not included	'	'
Ampelopsis cordata	'	'	'
Amphiachyris dracunculoides	Gutierrezia dracunculoides	'	'
Amphicarpaea bracteata	"Amphicarpa" bracteata, incl. var. comosa var. bracteata	'	' incl. var. comosa
AMSINCKIA LYCOPSOIDES	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
AMSINCKIA MENZIESII	A micrantha & A retrorsa	'	'
AMSINCKIA TESSELLATA	'	'	'
Amsonia ciliata var filifolia	'	'	A ciliata var tenuifolia
Amsonia illustris	'	'	'
Amsonia tabernaemontana var salicifolia	' incl var gattingeri	'	'
Amsonia tabernaemontana var tabernaemontana	'	'	'
ANAGALLIS ARVENSIS	'	' incl subsp foemina	'
Anagallis minima	Centunculus minimus	'	'
ANAPHALIS MARGARITACEA	'	'	'
ANCHUSA AZUREA	not included	'	'
ANCHUSA OFFICINALIS	not included	'	'
Andrachne phyllanthoides	'	'	Leptopus phyllanthoides
Andropogon gerardii	' incl var chrysocomus	' incl var chrysocomus	'
Andropogon gyrans	A elliottii var elliottii	'	'
Andropogon ternarius	'	'	'
Andropogon virginicus	'	'	'
Androsace occidentalis	'	'	'
Anemone acutiloba	Hepatica nobilis var acuta	'	'
Anemone americana	Hepatica nobilis var obtusa	'	'
Anemone canadensis	'	'	'
Anemone caroliniana	'	'	'
Anemone cylindrica	'	'	'
Anemone quinquefolia	not included	'	as var bifolia
Anemone virginiana	'	'	'
ANETHUM GRAVEOLENS	'	'	'
Angelica venenosa	'	'	'
ANODA CRISTATA	'	'	'
Antennaria neglecta	' incl var campestris	'	'
Antennaria parlinii	A plantaginifolia incl vars ambigens & arnoglossa	' incl subsp fallax	' incl subsp fallax
ANTHEMIS ARVENSIS	' incl var agrestis	'	'
ANTHEMIS COTULA	'	'	'
ANTHOXANTHUM ODORATUM	'	'	'
ANTHRISCUS CAUCALIS	A scandicina	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
ANTIRRHINUM MAJUS	'	'	'
APERA INTERRUPTA	Agrostis interrupta	'	'
APERA SPICA-VENTI	Agrostis spica-venti	'	'
APHANES AUSTRALIS	not included	'	A microcarpa
APHANOSTEPHUS SKIRRHOBASIS	not included	'	'
Apios americana	' incl var turrigera	'	'
APIUM GRAVEOLENS	'	'	as var dulce
Aplectrum hyemale	'	'	'
Apocynum × floribundum	A medium	'	'
Apocynum androsaemifolium	'	'	'
Apocynum cannabinum	' incl var pubescens	' in part	' in part
Apocynum sibiricum	' incl var cordigerum	A cannabinum in part	A cannabinum in part
Aquilegia canadensis	'	'	'
Arabidopsis lyrata	Arabis lyrata	'	Arabis lyrata
ARABIDOPSIS THALIANA	'	'	'
Arabis hirsuta	as vars adpressipilis & pycnocarpa	as vars adpressipilis & pycnocarpa	as var pycnocarpa
ARACHIS HYPOGAEA	'	'	'
ARALIA ELATA	not included	not included	'
Aralia nudicaulis	'	'	'
Aralia racemosa	'	'	'
Aralia spinosa	'	'	'
ARCTIUM MINUS	' incl A tomentosum	'	'
ARENARIA SERPYLLIFOLIA	' incl var tenuior	' incl var tenuior	'
ARGEMONE ALBIFLORA	' incl subsp texana	' incl subsp texana	' incl subsp texana
ARGEMONE MEXICANA	'	'	'
Argyrochosma dealbata	Notholaena dealbata	'	'
Arisaema dracontium	'	'	'
Arisaema triphyllum	A atrorubens	'	'
Aristida adscensionis	'	'	'
Aristida basiramea	'	'	'
Aristida desmantha	not included	'	'
Aristida dichotoma var curtissii	'	'	'
Aristida dichotoma var dichotoma	'	'	'
Aristida lanosa	'	'	'
Aristida longespica var geniculata	' incl A intermedia	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Aristida longespica var longespica	'	'	'
Aristida oligantha	'	'	'
Aristida purpurascens	'	'	'
Aristida ramosissima	'	'	'
Aristolochia serpentaria var hastata	'	A serpentaria in part	A serpentaria in part
Aristolochia serpentaria var serpentaria	'	A serpentaria in part	A serpentaria in part
Aristolochia tomentosa	'	'	'
ARMORACIA RUSTICANA	'	'	'
Arnoglossum atriplicifolium	Cacalia atriplicifolia	'	'
Arnoglossum plantagineum	Cacalia tuberosa	'	'
Arnoglossum reniforme	Cacalia muhlenbergii	'	'
Aronia melanocarpa	Pyrus melanocarpa	'	Photinia melanocarpa
ARRHENATHERUM ELATIUS	'	'	'
ARTEMISIA ABSINTHIUM	'	'	'
ARTEMISIA ANNUA	'	'	'
ARTEMISIA BIENNIS	'	'	'
Artemisia campestris subsp caudata	A caudata	'	'
ARTEMISIA CARRUTHII	'	'	'
Artemisia dracunculus	A glauca incl var dracunculina	'	'
ARTEMISIA FRIGIDA	'	'	'
Artemisia ludoviciana var ludoviciana	' incl var gnaphalodes	'	as subsp ludoviciana
Artemisia ludoviciana var mexicana	'	'	as subsp mexicana
ARTEMISIA STELLARIANA	not included	'	'
ARTEMISIA VULGARIS	' incl vars glabra & latiloba	'	'
ARTHRAXON HISPIDUS	'	'	'
ARUM ITALICUM	not included	'	'
Aruncus dioicus var pubescens	'	'	'
Arundinaria gigantea	'	'	'
ARUNDO DONAX	'	'	'
Asarum canadense	'	'	'
Asclepias amplexicaulis	'	'	'
Asclepias exaltata	not included	(')	'
Asclepias hirtella	'	'	'
Asclepias incarnata	'	'	'
Asclepias meadii	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Asclepias perennis	!	!	!
Asclepias purpurascens	!	!	!
Asclepias quadrifolia	!	!	!
ASCLEPIAS SPECIOSA	(!)	!	!
Asclepias stenophylla	!	!	!
ASCLEPIAS SUBVERTICILLATA	not included	!	!
Asclepias sullivantii	!	!	!
Asclepias syriaca	as var kansana	!	!
Asclepias tuberosa subsp interior	as var interior	!	!
Asclepias variegata	!	!	!
Asclepias verticillata	!	!	!
Asclepias viridiflora	! incl vars lanceolata & linearis	!	!
Asclepias viridis	!	!	!
Asimina triloba	!	!	!
ASPARAGUS OFFICINALIS	!	!	!
ASPARAGUS SPRENGERI	not included	not included	A densiflorus
Asplenium × ebenoides	!	!	!
Asplenium × gravesii	!	!	!
Asplenium bradleyi	!	!	!
Asplenium montanum	not included	!	!
Asplenium pinnatifidum	!	!	!
Asplenium platyneuron	!	!	!
Asplenium resiliens	!	!	!
Asplenium rhizophyllum	Camptosorus rhizophyllus	!	!
Asplenium ruta-muraria	as var cryptolepis	!	as var cryptolepis
Asplenium trichomanes	!	!	!
ASTER TATARICUS	not included	!	!
Astragalus canadensis	!	!	!
Astragalus crassicarpus var crassicarpus	A caryocarpus	!	!
Astragalus crassicarpus var trichocalyx	A mexicanus var trichocalyx	!	!
Astragalus distortus	!	!	!
Astragalus lotiflorus	!	!	!
Astranthium ciliatum	A integrifolium	!	A integrifolium subsp ciliatum
Athyrium filix-femina	as vars asplenioides & michauxii	as subspp angustum & asplenioides	as subsp angustum & asplenioides

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
ATOCION ARMERIA	not included	'	Silene armeria
ATRIPLEX ARGENTEA	(misidentifications)	'	'
ATRIPLEX HORTENSIS	'	'	'
ATRIPLEX MICRANTHA	not included	'	'
ATRIPLEX PATULA	A patula var patula	'	'
ATRIPLEX PROSTRATA	A patula var prostrata	'	'
ATRIPLEX ROSEA	'	'	'
ATRIPLEX TRUNCATA	A argentea	'	'
ATRIPLEX WRIGHTII	not included	'	'
AUBRIETA DELTOIDEA	not included	'	'
Aureolaria flava var calycosa	Gerardia flava var calycosa	A flava in part	A flava var flava in part
Aureolaria flava var flava	Gerardia flava var flava	A flava in part	' in part, incl var macrantha
Aureolaria grandiflora var pulchra	Gerardia grandiflora var pulchra	'	'
Aureolaria grandiflora var serrata	Gerardia grandiflora var cinerea	'	as var cinerea
Aureolaria pectinata	Gerardia pedicularia var pectinata	'	'
AVENA FATUA var FATUA	A fatua	'	A fatua
AVENA FATUA var SATIVA	A sativa	'	A sativa
AXYRIS AMARANTHOIDES	'	'	'
Azolla caroliniana	not included	'	'
Azolla mexicana	'	'	'
BACCHARIS WRIGHTII	not included	not included	'
Bacopa rotundifolia	'	'	'
Baptisia alba var macrophylla	B leucantha	'	'
Baptisia australis var minor	'	'	'
Baptisia bracteata var leucophaea	B leucophaea incl var glabrescens	'	'
BAPTISIA SPHAEROCARPA	'	'	'
BARBAREA VERNA	not included	'	'
BARBAREA VULGARIS	' incl var arcuata	'	'
Bartonia paniculata	'	'	'
Bartonia virginica	not included	'	'
BELAMCANDA CHINENSIS	'	'	'
Berberis canadensis	'	'	'
BERBERIS THUNBERGII	'	'	'
BERBERIS VULGARIS	'	'	'
Berchemia scandens	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Bergia texana	'	'	'
Berlandiera texana	'	'	B betonicifolia
BERTEROA INCANA	'	'	'
Berula erecta	not included	as var incisum	'
BETA VULGARIS	not included	'	'
Betula nigra	'	'	'
BIDENS ALBA var RADIATA	not included	'	'
Bidens aristosa	' incl vars fritcheyi & mutica	' in part	in part
Bidens beckii	'	'	'
BIDENS BIPINNATA	'	'	'
Bidens cernua	' incl vars elliptica & integra	'	'
Bidens comosa	'	B tripartita in part	B tripartita
Bidens connata	as var petiolata	B tripartita in part	'
Bidens discoidea	'	'	'
Bidens frondosa	'	'	'
Bidens laevis	'	'	'
Bidens polylepis	' incl var retrorta	B aristosa in part	B aristosa in part
BIDENS TRICHOSPERMA	not included	'	incl in B coronata
Bidens vulgata	'	'	'
Bignonia capreolata	'	'	'
Blephilia ciliata	'	'	'
Blephilia hirsuta	'	'	'
Boechera canadensis	Arabis canadensis	'	Arabis canadensis
Boechera laevigata	Arabis laevigata	'	Arabis laevigata
Boechera missouriensis	Arabis missouriensis incl var deamii	'	Arabis missouriensis
Boechera shortii	Arabis shortii incl var phalacrocarpa	'	Arabis shortii
Boehmeria cylindrica	' incl var drummondiana	'	'
BOERHAAVIA ERECTA	'	'	"Boerhavia" erecta
Bolboschoenus fluviatilis	Scirpus fluviatilis	'	Schoenoplectus fluviatilis
Bolboschoenus maritimus subsp paludosus	Scirpus paludosus	'	Schoenoplectus maritimus
Boltonia asteroides	as vars latisquama, microcephala & recognita	as vars latisquama & recognita	as vars latisquama & recognita
Boltonia decurrens	B asteroides var decurrens	'	'
Boltonia diffusa	as var interior	'	' incl var interior

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
BOTHRIOCHLOA BLADHII	not included	'	'
BOTHRIOCHLOA ISCHAEMUM	not included	not included	incl var songarica
Bothriochloa laguroides subsp torreyana	Andropogon saccharoides	'	'
Botrychium biternatum	B dissectum var tenuifolium	'	'
Botrychium dissectum	' incl var oblíqum	'	'
Botrychium virginianum	'	'	'
Bouteloua curtipendula	'	'	'
Bouteloua gracilis	'	'	'
Bouteloua hirsuta	'	'	'
BRACHIARIA ERUCIFORMIS	B "erucaeformis"	'	'
Brachyelytrum erectum	'	'	'
Bradburia pilosa	Chrysopsis pilosa	'	Chrysopsis pilosa
Brasenia schreberi	'	'	'
BRASSICA JUNCEA	' incl var crispifolia	'	'
BRASSICA NAPUS	as var napobrassica	'	'
BRASSICA NIGRA	'	'	'
BRASSICA RAPA	'	'	'
Brickellia eupatorioides var eupatorioides	Kuhnia eupatorioides incl var corymbulosa	' incl var corymbulosa	' incl var corymbulosa
Brickellia eupatorioides var texana	Kuhnia eupatorioides var angustifolia	'	'
Brickellia grandiflora	'	'	'
BROMUS COMMUTATUS	not included	'	incl in B racemosus
BROMUS DIANDRUS	B rigidus	'	as subsp rigidus
BROMUS HORDACEUS	B mollis	' incl subsp pseudothominei	' incl subsp "pseudothominii"
BROMUS INERMIS	'	'	'
BROMUS JAPONICUS	'	'	B arvensis
Bromus latiglumis	'	'	'
Bromus nottowayanus	not included	'	'
Bromus pubescens	B purgans	'	'
BROMUS RACEMOSUS	'	'	in part
BROMUS SECALINUS	'	'	'
BROMUS SQUARROSUS	'	'	'
BROMUS STERILIS	'	'	'
BROMUS TECTORUM	'	'	'
BROMUS WILLDENOWII	B catharticus	'	B catharticus
BROUSSONETIA PAPYRIFERA	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
BRUNNERA MACROPHYLLA	not included	'	'
Brunnichia ovata	B cirrhosa	'	'
Buchloe dactyloides	'	'	Bouteloua dactyloides
Buchnera americana	'	'	'
BUDDLEJA DAVIDII	not included	'	'
BUGLOSSOIDES ARVENSE	Lithospermum arvense	'	B "arvensis"
Bulbostylis capillaris	' incl vars crebra & isopoda	'	'
BUPLEURUM ROTUNDIFOLIUM	'	'	'
Cabomba caroliniana	'	'	'
Calamagrostis canadensis	' incl var macouniana	'	' incl var macouniana
Calamagrostis porteri subsp insperata	C insperata	'	'
Calamagrostis stricta subsp inexpansa	C inexpansa var brevior	'	'
CALAMOVILFA LONGIFOLIA	'	'	'
Callicarpa americana	'	'	'
CALLICARPA DICHOTOMA	not included	'	'
Callirhoe alcaeoides	'	'	'
Callirhoe bushii	C papaver incl var bushii	'	'
Callirhoe digitata	'	'	'
Callirhoe involucrata	'	'	'
Callirhoe triangulata	'	'	'
Callitriche heterophylla	'	'	'
Callitriche palustris	not included	'	'
Callitriche terrestris	'	'	'
Calopogon oklahomensis	C pulchellus in part	'	'
Calopogon tuberosus	C pulchellus in part	'	'
Caltha palustris	not included	'	'
CALYCANTHUS FLORIDUS	not included	'	as var glaucus
Calycocarpum lyonii	C "lyoni"	'	'
Calylophus serrulatus	Oenothera serrulata	Oenothera serrulata	'
Calystegia macounii	Convolvulus spithamaeus in part	'	'
CALYSTEGIA PUBESCENS	Convolvulus pellitus	'	C hederacea
Calystegia sepium	Convolvulus sepium var sepium	'	as subspp americana & angulata
Calystegia silvatica subsp fraterniflora	Convolvulus sepium var fraterniflorus	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Calystegia spithamaea	Convolvulus spithamaeus in part	'	'
Camassia angusta	'	'	'
Camassia scilloides	'	'	'
CAMELINA MICROCARPA	'	'	'
CAMELINA SATIVA	'	'	'
Campanula americana	'	'	Campanulastrum americanum
Campanula aparinoides	'	'	'
CAMPANULA RAPUNCULOIDES	'	'	'
Campanula rotundifolia	'	'	'
Campsis radicans	'	'	'
CANAVALIA ENSIFORMIS	'	'	'
CANNABIS SATIVA	'	'	'
CAPSELLA BURSA-PASTORIS	'	'	'
CAPSICUM ANNUUM	not included	'	'
Cardamine bulbosa	'	'	'
Cardamine concatenata	Dentaria laciniata	'	'
Cardamine diphylla	not included	'	'
Cardamine douglasii	'	'	'
CARDAMINE FLEXUOSA	not included	'	'
CARDAMINE HIRSUTA	'	'	'
Cardamine parviflora var arenicola	'	'	'
Cardamine pensylvanica	'	'	'
CARDIOSPERMUM HALICACABUM	'	'	'
CARDUUS CRISPUS	'	'	'
CARDUUS NUTANS	'	'	'
Carex × deamii	'	'	'
Carex × subimpressa	'	'	'
Carex abscondita	not included	'	'
Carex aggregata	'	'	'
Carex alata	'	'	'
Carex albicans var albicans	C artitecta	'	'
Carex albicans var australis	C physorhyncha	'	'
Carex albolutescens	'	'	'
Carex albursina	'	'	'
Carex amphibola	as var amphibola	'	'
Carex annectens var annectens	'	'	incl in C annectens

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Carex annectens var xanthocarpa	'	'	incl in C annectens
Carex aquatilis	as var altior	as var substricta	'
Carex arkansana	'	'	'
Carex atherodes	'	'	'
Carex atlantica	not included	'	'
Carex aureolensis	not included	not included	'
Carex austrina	C muehlenbergii var australis	'	'
Carex bicknellii	in part	as var bicknellii	'
Carex blanda	'	'	'
Carex brevior	'	'	'
Carex bromoides	not included	'	'
Carex bushii	'	'	'
Carex buxbaumii	'	'	'
Carex careyana	'	'	'
Carex caroliniana	'	'	'
Carex cephalophora	C cephalophora var cephalophora	'	'
Carex cherokeensis	'	'	'
Carex communis	'	'	'
Carex comosa	'	'	'
Carex complanata	as var complanata	'	'
Carex conjuncta	'	'	'
Carex conoidea	'	'	'
Carex corrugata	C amphibola var globosa	'	'
Carex crawei	'	'	'
CAREX CRAWFORDII	not included	'	'
Carex crinita	' incl var brevicrinis	'	' incl var brevicrinis
Carex cristatella	'	'	'
Carex crus-corvi	'	'	'
Carex cumberlandensis	not included	not included	'
Carex davisii	'	'	'
Carex debilis	' incl var rudgei	'	'
Carex decomposita	'	'	'
Carex digitalis	' incl var macropoda	'	' incl var macropoda
CAREX DOUGLASII	'	'	'
Carex eburnea	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
CAREX ELEOCHARIS	not included	'	C. duriuscula
Carex emoryi	'	'	'
Carex festucacea	'	'	'
Carex fissa	not included	'	'
Carex flaccosperma	as var. flaccosperma	'	'
Carex frankii	' in part	' in part	' in part
Carex gigantea	'	'	'
Carex glaucodea	C. flaccosperma var. glaucodea	'	'
Carex gracilescens	'	'	'
Carex gracillima	'	'	'
Carex granularis	' incl. var. haleana	' incl. var. haleana	' incl. var. haleana
Carex gravida	' incl. var. lunelliana	'	'
Carex grayii	' incl. var. hispidula	'	'
Carex grisea	C. amphibola var. turgida	'	'
Carex haydenii	'	'	'
Carex hirsutella	C. complanata var. hirsuta	'	'
Carex hirtifolia	'	'	'
Carex hitchcockiana	'	'	'
Carex hyalinolepis	'	'	'
Carex hystericina	C. "hystricina"	'	'
Carex inops subsp. heliophila	C. pensylvanica var. digyna	'	'
Carex interior	'	'	'
Carex intumescens	'	'	'
Carex jamesii	'	'	'
Carex joorii	'	'	'
Carex lacustris	'	'	'
Carex laeviconica	'	'	'
Carex laevivaginata	'	'	'
Carex laxiculmis var. copulata	C. laxiculmis in part	C. laxiculmis in part	'
Carex laxiculmis var. laxiculmis	C. laxiculmis in part	C. laxiculmis in part	'
Carex laxiflora	(')	'	'
Carex leavenworthii	'	'	'
Carex leptalea	'	'	'
Carex longii	not included	(')	'
Carex louisianica	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Carex lupuliformis	'	'	'
Carex lupulina	'	'	'
Carex lurida	'	'	'
Carex meadii	'	'	'
Carex mesochorea	C. cephalophora var. mesochorea	'	'
Carex microdonta	'	'	'
Carex missouriensis	not included	not included	'
Carex molesta	in part	'	'
Carex molestiformis	C. molesta in part	'	'
Carex muehlenbergii var. enervis	as C. "muhlenbergii" var. "muhlenbergii"	'	'
Carex muehlenbergii var. muehlenbergii	as C. "muhlenbergii" var. "muhlenbergii"	'	'
Carex muskingumensis	'	'	'
CAREX NEBRASCENSIS	C. "nebraskensis"	'	'
Carex nigromarginata var. floridana	(')	'	C. floridana
Carex nigromarginata var. nigromarginata	'	'	C. nigromarginata
Carex normalis	'	'	'
Carex oklahomensis	'	'	'
Carex oligocarpa	'	'	'
Carex opaca	C. bicknellii in part	C. bicknellii var. opaca	'
Carex oxylepis	'	'	'
Carex pellita	C. lanuginosa	'	'
Carex pensylvanica	as var. pensylvanica	'	'
Carex planispicata	C. amphibola var. rigida	'	'
CAREX PRAEGRACILIS	'	'	'
Carex prasina	not included	'	'
Carex radiata	C. rosea	'	'
Carex reniformis	not included	'	'
Carex retroflexa	C. retroflexa var. retroflexa	'	'
Carex reznicekii	not included	not included	not included
Carex rosea	C. convoluta	'	'
Carex sartwellii	'	'	'
Carex scabrata	'	'	'
Carex schweinitzii	'	'	'
Carex scoparia	'	'	'
Carex shortiana	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Carex socialis	not included	!	!
Carex sparganioides	!	!	!
Carex sprengelii	not included	!	!
Carex squarrosa	!	!	!
Carex sterilis	not included	!	!
Carex stipata	! incl var maxima	!	! incl var maxima
Carex straminea	!	!	!
Carex stricta	as var strictior	!	!
Carex suberecta	!	!	!
Carex swanii	!	!	!
Carex sychnocephala	not included	!	!
Carex tenera	!	as var echinoides	!
Carex tetanica	!	!	!
Carex texensis	C retroflexa var texensis	!	!
Carex timida	not included	not included	!
Carex tonsa var rugosperma	not included	(!)	!
Carex tonsa var tonsa	!	!	! incl var rugosperma
Carex torta	!	!	!
Carex triangularis	!	!	!
Carex tribuloides var sangamonensis	! in part	! in part	!
Carex tribuloides var tribuloides	! in part, incl C projecta	! in part	!
Carex trichocarpa	!	!	!
Carex typhina	!	!	!
Carex umbellata	! incl C abdita	!	!
Carex vesicaria var monile	!	!	C vesicaria
Carex virescens	!	!	!
Carex vulpinoidea	!	!	!
Carex willdenowii	not included	!	!
Carex woodii	misapplied	!	!
Carpinus caroliniana	! incl var virginiana	! incl var virginiana	! incl subsp virginiana
CARUM CARVI	!	!	!
Carya aquatica	!	!	!
Carya cordiformis	!	!	!
Carya glabra	!	! in part	!
Carya illinoinensis	C "illinoensis"	!	!
Carya laciniosa	!	!	!

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Carya ovalis	' incl vars obcordata, obovalis & odorata	C glabra in part	'
Carya ovata	'	'	'
Carya pallida	not included	'	'
Carya texana	' incl var villosa	'	'
Carya tomentosa	' incl var subcoriacea	'	C alba
CASTANEA DENTATA	'	'	'
CASTANEA MOLLISSIMA	not included	'	'
Castanea pumila var ozarkensis	C ozarkensis	'	'
Castanea pumila var pumila	not included	'	'
Castilleja coccinea	'	'	'
Castilleja purpurea	'	'	'
Castilleja sessiliflora	'	'	'
CATALPA BIGNONIOIDES	'	'	'
CATALPA OVATA	'	'	'
Catalpa speciosa	'	'	'
Caulophyllum thalictroides	'	'	'
Cayaponia quinqueloba	C grandiflora	'	'
Ceanothus americanus	as vars intermedius & pitcheri	'	'
Ceanothus herbaceus	C ovatus incl var pubescens	'	'
CELASTRUS ORBICULATUS	not included	'	'
Celastrus scandens	'	'	'
CELOSIA ARGENTEA	as var cristata	' incl var cristata	'
Celtis laevigata	' incl var texana	'	' incl var texana
Celtis occidentalis	' incl vars canina & pumila	'	'
Celtis pumila	C tenuifolia incl var georgiana, C laevigata var smallii	'	C tenuifolia, incl var georgiana
CENCHRUS CILIARIS	Pennisetum ciliare	'	Pennisetum ciliare
Cenchrus longispinus	' in part	' in part	'
Cenchrus spinifex	C longispinus in part	C longispinus in part	'
Centaurea americana	'	'	'
CENTAUREA CYANUS	'	'	'
CENTAUREA DIFFUSA	'	'	'
CENTAUREA DILUTA	not included	'	'
CENTAUREA MELITENSIS	'	'	'
CENTAUREA NIGRA	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
CENTAUREA NIGRESCENS	C. vouchinensis	'	'
CENTAUREA REPENS	'	'	Acroptilon repens
CENTAUREA SOLSTITIALIS	'	'	'
CENTAUREA STOEBE subsp MICRANTHOS	C. maculosa	'	'
Centrosema virginianum	not included	'	'
Cephalanthus occidentalis	' incl. var. pubescens	'	'
Cerastium arvense subsp. strictum	C. arvense var. villosum in part	'	'
CERASTIUM BRACHYPETALUM	'	'	'
Cerastium brachypodum	'	'	'
CERASTIUM DIFFUSUM	C. tetrandrum	'	'
CERASTIUM DUBIUM	not included	(')	'
CERASTIUM FONTANUM subsp VULGARE	C. vulgatum	'	'
CERASTIUM GLOMERATUM	C. viscosum	'	'
Cerastium nutans	'	'	'
CERASTIUM PUMILUM	'	'	'
CERASTIUM SEMIDECANDRUM	'	'	'
Cerastium velutinum	C. arvense var. villosum in part	'	C. arvense subsp. velutinum
CERATOCEPHALUS TESTICULATUS	not included	'	"Ceratrocephala testiculata"
Ceratophyllum demersum	'	'	'
Ceratophyllum echinatum	'	'	'
CERATOSTIGMA PLUMBAGINOIDES	not included	'	'
Cercis canadensis	'	'	'
CHAENOMELES SPECIOSA	not included	'	'
CHAENORRHINUM MINUS	'	'	"Chaenorhinum minus"
Chaerophyllum procumbens	' incl. var. shortii	'	incl. var. shortii
Chaerophyllum tainturieri	' incl. var. floridanum & C. texanum	'	incl. var. dasycarpum
Chaetopappa asteroides	'	'	'
Chamaecrista fasciculata	Cassia fasciculata incl. vars. depressa & robusta	'	'
Chamaecrista nictitans	Cassia nictitans	'	'
Chasmanthium latifolium	Uniola latifolia	'	'
Chasmanthium laxum	Uniola laxa	as subsp. laxum	'
Chasmanthium sessilifolium	not included	C. laxum subsp. sessilifolium	'
Cheilanthes alabamensis	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Cheilanthes feei	'	'	'
Cheilanthes lanosa	'	'	'
Cheilanthes tomentosa	'	'	'
CHELIDONIUM MAJUS	'	'	'
Chelone glabra	' incl var linifolia	'	'
Chelone obliqua	as var speciosa	'	as var speciosa
CHENOPODIUM ALBUM	' incl var lanceolatum	'	in part, incl var microphyllum
CHENOPODIUM AMBROSIOIDES	' incl var anthelminticum	' incl var anthelminticum	'
Chenopodium berlandieri	as vars boscianum & zschackei	incl vars boscianum & zschackii	in part, incl vars boscianum & zschackii
CHENOPODIUM BOTRYS	'	'	'
Chenopodium bushianum	'	'	C. berlandieri var bushianum
CHENOPODIUM CAPITATUM	'	'	'
CHENOPODIUM DESICCATUM	as var dessicatum	'	'
CHENOPODIUM FICIFOLIUM	not included	'	'
CHENOPODIUM GLAUCUM	' incl var salinum	' incl var salinum	'
CHENOPODIUM INCANUM	'	'	'
Chenopodium missouriense	'	'	C. album var missouriense
CHENOPODIUM MURALE	'	'	'
CHENOPODIUM OPULIFOLIUM	not included	'	'
Chenopodium pallescens	'	'	'
Chenopodium praericola	C. dessicatum var leptophylloides	'	'
CHENOPODIUM PUMILIO	'	'	'
CHENOPODIUM RUBRUM	'	'	'
Chenopodium simplex	C. gigantospermum	'	'
Chenopodium standleyanum	'	'	'
Chenopodium strictum var glaucophyllum	'	'	C. album var striatum
CHENOPODIUM URBICUM	'	'	'
CHENOPODIUM WATSONII	not included	'	'
Chionanthus virginicus	C. "virginica"	'	'
Chloris verticillata	'	'	'
CHLORIS VIRGATA	'	'	'
CHORISPORA TENELLA	'	'	'
CICHORIUM INTYBUS	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Cicuta maculata	'	' incl var bolanderi	' incl var bolanderi
Cinna arundinacea	' incl var inexpansa	'	'
Circaea canadensis	C quadrisulcata var canadensis	'	Circaea lutetiana subsp canadensis
Cirsium altissimum	'	'	'
CIRSIUM ARVENSE	'	'	'
CIRSIUM CANESCENS	not included	'	'
Cirsium carolinianum	'	'	'
Cirsium discolor	'	'	'
Cirsium muticum	'	'	'
CIRSIUM TEXANUM	not included	'	'
Cirsium undulatum	as var megacephalum	'	as var undulatum
CIRSIUM VULGARE	'	'	'
Cissus trifoliata	C incisa	'	'
CITRULLUS LANATUS	C vulgaris	'	'
CITRUS TRIFOLIATA	not included	'	Poncirus trifoliata
CLADIUM MARISCUS subsp JAMAICENSE	not included	not included	'
Cladrastis kentukea	C lutea	'	'
CLAYTONIA PERFOLIATA	not included	(')	'
Claytonia virginica	'	'	'
Clematis catesbyana	not included	'	'
Clematis crispa	'	'	'
Clematis fremontii	as var riehlii	'	'
Clematis pitcheri	'	'	'
CLEMATIS TERNIFLORA	C dioscoreifolia	'	'
Clematis versicolor	'	'	'
Clematis viorna	'	'	'
Clematis virginiana	'	'	'
CLEOME HASSLERIANA	C houtteana	'	'
Cleome serrulata	'	'	'
CLINOPODIUM ACINOS	Satureja acinos	'	Acinos arvensis
Clinopodium arkansanum	Satureja arkansana	'	'
Clitoria mariana	'	'	'
Cocculus carolinus	'	'	'
Coeloglossum viride	not included	as var virescens	Dactylorhiza viridis
Coelorachis cylindrica	Manisuris cylindrica	'	'
Collinsia verna	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Collinsia violacea	'	'	'
Collinsonia canadensis	'	'	'
COLLOMIA LINEARIS	'	'	'
Comandra umbellata	C richardsiana	'	'
COMMELINA CAROLINIANA	'	'	'
COMMELINA COMMUNIS	'	'	'
COMMELINA DIFFUSA	'	'	'
Commelina erecta	' incl vars angustifolia & deamiana	'	' incl vars angustifolia & deamiana
Commelina virginica	'	'	'
CONIUM MACULATUM	'	'	'
Conoclinium coelestinum	Eupatorium coelestinum	'	'
CONRINGIA ORIENTALIS	'	'	'
CONVALLARIA MAJALIS	not included	'	'
CONVOLVULUS ARVENSIS	'	'	'
Conyza canadensis var canadensis	Erigeron canadensis	'	'
Conyza canadensis var pusilla	Erigeron pusillus	'	'
Conyza ramosissima	Erigeron divaricatus	'	'
Corallorhiza odontorhiza	'	'	'
Corallorhiza wisteriana	' incl C trifida var verna	'	'
Coreopsis grandiflora	' incl var harveyana	'	' incl var harveyana
Coreopsis lanceolata	' incl var villosa	'	'
Coreopsis palmata	'	'	'
Coreopsis pubescens	'	'	'
Coreopsis tinctoria	' incl C cardaminefolia	'	'
Coreopsis tripteris	' incl var deamii	'	'
CORIANDRUM SATIVUM	'	'	'
Corispermum americanum	C nitidum	'	'
Corispermum pallasii	C hyssopifolium	'	'
Corispermum villosum	C orientale var emarginatum	'	'
Cornus alternifolia	'	'	'
Cornus amomum subsp obliqua	C obliqua	'	C obliqua
Cornus drummondii	C "drummondi"	'	'
Cornus florida	'	'	'
Cornus foemina subsp foemina	C foemina	'	C foemina

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Cornus foemina subsp racemosa	C racemosa	'	C racemosa
Corydalis aurea subsp aurea	C aurea	'	C aurea
Corydalis aurea subsp occidentalis	C montana	'	C curvisiliqua subsp occidentalis
Corydalis crystallina	'	'	'
Corydalis flavula	'	'	'
Corydalis micrantha subsp australis	C halei	'	'
Corydalis micrantha subsp micrantha	C micrantha	'	'
Corylus americana	' incl var indehiscens	'	'
COSMOS BIPINNATUS	'	'	'
COSMOS PARVIFLORUS	not included	'	'
COSMOS SULPHUREUS	'	'	'
COTA TINCTORIA	Anthemis tinctoria	'	Anthemis tinctoria
Cotinus obovatus	'	'	'
COTONEASTER ACUTIFOLIUS	not included	as var lucidus	'
Crataegus berberifolia	C englemannii	'	' incl C engelmannii
Crataegus biltmoreana	' incl C biltmoreana	'	C intricata in part
Crataegus calpodendron	' incl vars globosa, hispidula, microcarpa, & mollicula	'	'
Crataegus coccinioides	' incl C locuples	'	'
Crataegus collina	' incl vars collicola, secta, sordida & succincta, C hirtiflora, C lettermanii	' incl vars hirsutiflora, lettermanii, sordida, succincta, C spes-aestatum	C punctata in part
Crataegus crus-galli	' incl vars barrettiana, bellica, exigua, leptophylla, macra, pachyphylla, & pyracanthifolia, C acutifolia, C hannibalensis, C palmeri, C pyracanthoides var arborea, C regalis incl var paradoxa, C tantula, C vallicola	' incl vars capillata & pyracanthifolia	' in part, incl C arborea, C reverchonii
Crataegus fecunda	'	'	C crus-galli in part
Crataegus gattingeri	'	'	C pruinosa in part
Crataegus lanuginosa	'	'	'
Crataegus macracantha	C succulenta var pertomentosa	'	C succulenta in part
Crataegus margarettae	' incl var brownei	'	C "margarettiae"

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Crataegus marshallii	'	'	'
Crataegus mollis	' incl C lanuginosa, C noelensis	' incl vars dumetosa, incisifolia, mollis, C transmissippiensis	' incl C dispessa, C lanuginosa
Crataegus neobushii	'	'	C intricata in part
Crataegus padifolia	' incl var incarnata	' incl var incarnata	C intricata in part
Crataegus phaenopyrum	'	'	'
Crataegus pruinosa	' incl var brachypoda, C disjuncta, C gattingeri, C platycarpa, C pruinosa incl vars aspera & bracteata, C rugosa	' incl vars cognata, dissona, magnifolia, rugosa, & virella	' in part, incl C dissona
Crataegus reverchonii	as var discolor	' incl var palmeri	'
Crataegus rubella	not included	'	C intricata var rubella
Crataegus schuettei	not included	'	'
Crataegus sicca	' incl var glabrifolia	' incl var glabrifolia	C chrysocarpa
Crataegus spathulata	'	'	'
Crataegus succulenta	incl var neofluvialis	'	' in part
Crataegus texana	C mollis in part	'	'
Crataegus uniflora	'	'	'
Crataegus viridis	' incl vars lanceolata, lutescens, & ovata, C nitida	' incl vars glabriuscula, lanceolata, nitens, ovata, C nitida	' incl C nitida & C ovata
CREPIS CAPILLARIS	'	'	'
CREPIS PULCHRA	'	'	'
CREPIS SETOSA	'	'	'
CREPIS TECTORUM	'	'	'
Crotalaria sagittalis	'	'	'
CROTALARIA SPECTABILIS	'	'	'
Croton capitatus var capitatus	'	'	'
Croton capitatus var lindheimeri	'	'	'
Croton glandulosus var septentrionalis	'	'	'
CROTON LINDHEIMERIANUS	not included	'	'
Croton michauxii	Crotonopsis linearis	'	'
Croton monanthogynus	'	'	'
CROTON TEXENSIS	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Croton wildenowii	Crotonopsis elliptica	'	Croton michauxii var elliptica
CRYPSIS SCHOENOIDES	Heleochloa schoenoides	'	'
Cryptotaenia canadensis	'	'	'
Cubelium concolor	Hybanthus concolor	'	Hybanthus concolor
CUCUMIS MELO	'	'	'
CUCUMIS SATIVUS	not included	'	'
CUCURBITA FOETIDISSIMA	'	'	'
CUCURBITA PEPO var OVIFERA	' in part	(')	'
Cucurbita pepo var ozarkana	C pepo var ovifera in part	'	'
Cunila origanoides	'	'	'
Cuphea viscosissima	C petiolata	'	'
Cuscuta campestris	'	'	incl in C pentagona
Cuscuta cephalanthi	'	'	'
Cuscuta compacta	'	'	'
Cuscuta coryli	'	'	'
Cuscuta cuspidata	'	'	'
Cuscuta glomerata	'	'	'
Cuscuta gronovii	'	'	'
Cuscuta indecora	as var neuropetala	'	as var neuropetala
Cuscuta obtusiflora var glandulosa	not included	not included	'
Cuscuta pentagona	'	'	in part
Cuscuta polygonorum	'	'	'
Cyclachaena xanthifolia	Iva xanthifolia	'	'
Cycloloma atriplicifolium	'	'	'
CYLINDROPUNTIA IMBRICATA	not included	(')	'
CYMBALARIA MURALIS	'	'	'
Cynanchum laeve	'	'	'
CYNANCHUM LOUISEAE	not included	'	'
CYNODON DACTYLON	'	'	'
CYNOGLOSSUM CRETICUM	not included	not included	not included
CYNOGLOSSUM OFFICINALE	'	'	'
Cynoglossum virginianum	'	'	'
Cynosciadium digitatum	'	'	'
CYNOSURUS ECHINATUS	'	'	'
Cyperus acuminatus	'	'	'
Cyperus bipartitus	C rivularis	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Cyperus compressus	'	'	'
Cyperus croceus	C. globulosus	'	'
Cyperus diandrus	'	'	'
CYPERUS DIFFORMIS	not included	not included	'
Cyperus echinatus	C. ovularis incl. var. sphaericus	'	'
Cyperus erythrorhizos	'	'	'
Cyperus esculentus	'	'	as var. leptostachys
Cyperus flavescens var. poiformis	as var. "poaeformis"	'	incl. in C. flavescens
CYPERUS FLAVICOMIS	not included	'	'
CYPERUS FUSCUS	not included	'	'
Cyperus grayoides	not included	'	'
Cyperus hystricinus	not included	'	'
CYPERUS IRIA	'	'	'
Cyperus lancastriensis	'	'	'
Cyperus lupulinus subsp. lupulinus	C. filiculmis	'	'
Cyperus lupulinus subsp. macilentus	C. filiculmis var. macilentus	'	'
Cyperus odoratus	' incl. C. ferruginescens	'	'
Cyperus plukenetii	'	'	'
Cyperus polystachyos var. texensis	'	'	'
Cyperus pseudovegetus	C. virens	'	'
Cyperus refractus	'	'	'
Cyperus retroflexus	not included	'	'
Cyperus retrofractus	C. dipsaciformis	'	'
CYPERUS RETRORSUS	(' as var. deeringianus)	not included	'
CYPERUS ROTUNDUS	'	'	'
Cyperus schweinitzii	'	'	'
Cyperus setigerus	'	'	'
Cyperus squarrosus	C. aristatus	'	'
Cyperus strigosus	' incl. var. robustior	'	'
Cypripedium calceolus var. parviflorum	'	'	C. parviflorum var. parviflorum
Cypripedium calceolus var. pubescens	'	'	C. parviflorum var. pubescens
Cypripedium candidum	'	'	'
Cypripedium reginae	'	'	'
Cystopteris bulbifera	'	'	'
Cystopteris protrusa	C. fragilis var. protrusa	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Cystopteris tennesseensis	C fragilis var fragilis	'	'
Cystopteris tenuis	C fragilis var mackayii	'	'
DACTYLIS GLOMERATA	'	'	'
Dalea candida	Petalostemon candidum	'	'
Dalea enneandra	'	'	'
Dalea gattingeri	not included	'	'
Dalea leporina	D apolecuroides	'	'
Dalea multiflora	Petalostemon multiflorum	'	'
Dalea purpurea	Petalostemon purpureum	'	'
DALEA VILLOSA	not included	'	'
Danthonia spicata	' incl var longipila	'	'
Dasistoma macrophyllum	Seymeria macrophylla	'	D "macrophylla"
DATURA INOXIA	D "innoxia"	'	'
DATURA STRAMONIUM	' incl var tatula	'	'
DATURA WRIGHTII	not included	'	'
DAUCUS CAROTA	'	'	'
Daucus pusillus	'	'	'
Decodon verticillatus	'	'	'
DELPHINIUM AJACIS	'	'	Consolida ajacis
Delphinium carolinianum subsp carolinianum	D carolinianum incl vars crispum & nortonianum	'	'
Delphinium carolinianum subsp virescens	D virescens incl var penardi	'	'
DELPHINIUM CONSOLIDA	not included	'	Consolida regalis
Delphinium exaltatum	'	'	'
Delphinium treleasei	'	'	'
Delphinium tricorne	'	'	'
Dennstaedtia punctilobula	'	'	'
Deparia acrostichoides	Athyrium thelypteroides	'	'
Descurainia pinnata subsp brachycarpa	as var brachycarpa	'	'
Descurainia pinnata subsp pinnata	as var pinnata	'	'
DESCURAINIA SOPHIA	'	'	'
Desmanthus illinoensis	'	'	'
DESMANTHUS LEPTOLOBUS	'	'	'
Desmodium × humifusum	Desmodium humifusum	'	Desmodium humifusum

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Desmodium canadense	'	'	'
Desmodium canescens	'	'	'
Desmodium ciliare	'	'	'
Desmodium cuspidatum	' incl var longifolium	'	' incl var longifolium
Desmodium glabellum	D paniculatum var dillenii in part	'	'
Desmodium illinoense	'	'	'
Desmodium laevigatum	'	'	'
Desmodium marilandicum	'	'	'
Desmodium nuttallii	'	'	'
Desmodium obtusum	D rigidum	'	'
Desmodium ochroleucum	'	'	'
Desmodium paniculatum	as var paniculatum	'	'
Desmodium perplexum	D paniculatum var dillenii in part	'	'
Desmodium rotundifolium	'	'	'
Desmodium sessilifolium	'	'	'
Desmodium strictum	not included	'	'
Desmodium viridiflorum	'	'	'
DIANTHUS ARMERIA	'	'	'
DIANTHUS BARBATUS	'	'	'
DIANTHUS DELTOIDES	'	'	'
DIANTHUS PLUMARIUS	not included	'	'
DIAPERIA PROLIFERA	not included	'	Evax prolifera
Diarrhena americana	as var americana	'	'
Diarrhena obovata	D americana var obovata	'	'
Dicentra canadensis	'	'	'
Dicentra cucullaria	'	'	'
Dichanthelium angustifolium	not included	not included	' in part
Dichanthelium annulum	Panicum annulum	P dichotomum var mattamuskeetense	D dichotomum var dichotomum in part
Dichanthelium ashei	Panicum commutatum var ashei	Panicum commutatum var ashei	D commutatum in part
Dichanthelium bicknellii	Panicum bicknellii & P calliphyllum	P boreale in part	D boreale in part
Dichanthelium boscii	Panicum boscii incl var molle	Panicum boscii	'
Dichanthelium clandestinum	Panicum clandestinum	Panicum clandestinum	D clandestinum

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Dichanthelium columbianum	(Panicum columbianum)	P portoricense	D sabulorum var thinium in part
Dichanthelium commonsianum	not included	not included	D ovale var addisonii
Dichanthelium commutatum var commutatum	Panicum commutatum var commutatum	Panicum commutatum var commutatum	D commutatum in part
Dichanthelium depauperatum	Panicum depauperatum	Panicum depauperatum	'
Dichanthelium dichotomum var barbulatum	Panicum dichotomum var barbulatum	Panicum dichotomum var dichotomum in part	D dichotomum var dichotomum in part
Dichanthelium dichotomum var dichotomum	Panicum dichotomum var dichotomum	Panicum dichotomum var dichotomum in part	D dichotomum var dichotomum in part
Dichanthelium dichotomum var yadkinense	not included	'	D dichotomum var dichotomum in part
Dichanthelium implicatum	P lanuginosum var implicatum	P acuminatum var acuminatum in part	D acuminatum var fasciculatum in part
Dichanthelium joorii	not included	not included	D commutatum in part
Dichanthelium lanuginosum	P lanuginosum var fasciculatum & P subvillosum	P acuminatum var acuminatum in part	D acuminatum var fasciculatum in part
Dichanthelium latifolium	Panicum latifolium	Panicum latifolium	'
Dichanthelium laxiflorum	Panicum laxiflorum	Panicum laxiflorum	D laxiflorum
Dichanthelium leibergii	Panicum leibergii	Panicum leibergii	'
Dichanthelium lindheimeri	P lanuginosum var lindheimeri & P longiligulatum	P acuminatum var lindheimeri	D acuminatum var lindheimeri
Dichanthelium linearifolium var linearifolium	Panicum linearifolium var linearifolium	Panicum linearifolium in part	D linearifolium in part
Dichanthelium longiligulatum	Panicum longiligulatum	(Dichanthelium acuminatum var longiligulatum)	'
Dichanthelium malacophyllum	Panicum malacophyllum	Panicum malacophyllum	'
Dichanthelium microcarpon	Panicum microcarpon	P dichotomum var ramulosum	D dichotomum var dichotomum in part
Dichanthelium nitidum	Panicum nitidum	P dichotomum var nitidum	D dichotomum var dichotomum in part

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Dichanthelium oligosanthes var oligosanthes	Panicum oligosanthes var oligosanthes	Panicum oligosanthes var oligosanthes	'
Dichanthelium oligosanthes var scribnerianum	Panicum oligosanthes vars helleri & scribnerianum	Panicum oligosanthes var scribnerianum	D oligosanthes var scribnerianum
Dichanthelium perlongum	Panicum perlongum	P linearifolium in part	D linearifolium in part
Dichanthelium polyanthes	Panicum polyanthes	P sphaerocarpon var isophyllum	D sphaerocarpon var isophyllum
Dichanthelium praecocius	Panicum praecocius	P acuminatum var acuminatum in part	D acuminatum var praecocius
Dichanthelium ravenelii	Panicum ravenelii	Panicum ravenelii	'
Dichanthelium scoparium	Panicum scoparium	Panicum scoparium	'
Dichanthelium sphaerocarpon	Panicum sphaerocarpon incl var inflatum	Panicum sphaerocarpon var sphaerocarpon	as var sphaerocarpon
Dichanthelium villosissimum	Panicum villosissimum var villosissimum	P acuminatum var acuminatum in part	as var villosissimum
Dichanthelium werneri	Panicum linearifolium var werneri	Panicum linearifolium in part	D linearifolium in part
DICHELOSTEMMA CONGESTUM	not included	'	'
DICHONDRA CAROLINENSIS	not included	'	'
Dicliptera brachiata	'	'	'
DICTAMNUS ALBUS	not included	not included	'
Didiplis diandra	Peplis diandra	'	'
DIGITARIA CILIARIS	D sanguinalis var ciliaris	'	'
Digitaria cognata	Leptoloma cognatum	'	'
Digitaria filiformis	' incl var villosa	' incl var villosa	'
DIGITARIA ISCHAEMUM	' incl var mississippiensis	'	'
DIGITARIA SANGUINALIS	D sanguinalis	'	'
DIGITARIA VIOLASCENS	not included	not included	'
Diodia teres	'	'	'
Diodia virginiana	'	'	'
DIOSCOREA OPPOSITIFOLIA	not included	'	'
Dioscorea quaternata	'	'	'
Dioscorea villosa	'	'	'
Diospyros virginiana	' incl vars platycarpa & pubescens	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Diplazium pycnocarpon	Athyrium pycnocarpon	'	'
DIPLOTAXIS MURALIS	not included	'	'
DIPSACUS FULLONUM	D sylvestris	'	'
DIPSACUS LACINIATUS	not included	'	'
Dirca palustris	'	' incl D decipiens	'
Distichlis spicata var spicata	D spicata	'	incl in D spicata
DISTICHLIS SPICATA var STRICTA	D stricta	'	incl in D spicata
Doellingeria umbellata var pubens	not included	'	'
Draba aprica	'	'	'
Draba brachycarpa	'	'	'
Draba cuneifolia	'	'	'
Draba reptans	' incl var micrantha	'	'
DRABA VERNA	' incl var boerhaavii	'	'
DRACOCEPHALUM PARVIFLORUM	'	'	'
Drymocallis arguta	Potentiall arguta	'	Potentilla arguta
Dryopteris carthusiana	D austriaca var spinulosa	'	'
Dryopteris celsa	D clintoniana var australis	'	'
Dryopteris cristata	not included	'	'
Dryopteris goldiana	'	'	'
Dryopteris intermedia	D austriaca var intermedia	'	'
Dryopteris marginalis	'	'	'
DUCHESNEA INDICA	'	'	'
Dulichium arundinaceum	'	'	'
Dyssodia papposa	'	'	'
Echinacea angustifolia	'	'	'
Echinacea pallida	' in part	'	'
Echinacea paradoxa	'	'	'
Echinacea purpurea	'	'	'
Echinacea simulata	E pallida in part	'	'
ECHINOCHLOA COLONUM	'	'	E "colona"
ECHINOCHLOA CRUSGALLI	' incl var frumentacea	'	'
ECHINOCHLOA CRUS-PAVONIS var MACERA	not included	'	'
Echinochloa muricata	' incl vars ludoviciana, microstachya & occidentalis	' incl var microstachya	' incl var microstachya

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Echinochloa walteri	not included	'	'
Echinocystis lobata	'	'	'
Echinodorus berteroi	as var lanceolatus	'	'
Echinodorus cordifolius	'	'	'
Echinodorus tenellus	as var parvulus	as var parvulus	'
ECHIUM VULGARE	'	'	'
Eclipta prostrata	E alba	'	'
EGERIA DENSA	not included	'	'
EICHHORNIA CRASSIPES	'	'	'
ELAEAGNUS ANGUSTIFOLIA	'	'	'
ELAEAGNUS UMBELLATA	not included	'	'
Elatine triandra	as var americana	' incl var americana	'
Eleocharis acicularis	'	'	'
Eleocharis atropurpurea	not included	'	'
Eleocharis compressa var acutisquamata	E compressa in part	E compressa in part	'
Eleocharis compressa var compressa	E compressa in part	E compressa in part	'
Eleocharis elliptica	not included	(')	'
Eleocharis engelmannii	'	E ovata in part	'
Eleocharis equisetoides	'	'	'
Eleocharis erythropoda	E calva	'	'
Eleocharis lanceolata	'	'	'
Eleocharis macrostachya	E macrostachya in part	E palustris in part	E macrostachya in part
Eleocharis obtusa	' in part, incl var jejuna	E ovata in part	'
Eleocharis ovata	E obtusa in part incl var jejuna	' in part	'
Eleocharis palustris	E smallii	E palustris in part	E palustris in part
Eleocharis parvula	' incl var anachaeta	'	'
Eleocharis quadrangulata	'	'	'
Eleocharis tenuis var atrata	not included	not included	E compressa in part
Eleocharis verrucosa	E tenuis var verrucosa	'	E tenuis var verrucosa
Eleocharis wolfii	'	'	'
Eleocharis xyridiformis	E macrostachya in part	E palustris in part	E macrostachya in part
Elephantopus carolinianus	'	'	'
ELEUSINE INDICA	'	'	'
ELEUSINE TRISTACHYA	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Ellisia nyctelea	'	'	'
Elodea canadensis	Anacharis canadensis	'	'
Elodea nuttallii	Anacharis nuttallii	'	'
Elymus canadensis	'	'	'
Elymus churchii	E interruptus	E diversiglumis	E interruptus in part
Elymus curvatus	E submuticus	E virginicus var submuticus	E submuticus
ELYMUS ELONGATUS subsp PONTICUS	not included	'	Thinopyrum ponticum
Elymus glabriflorus	E virginicus var glabriflorus in part	Elymus virginicus var glabriflorus in part	' In part
Elymus glaucus	'	'	'
Elymus hystrix	Hystrix patula	'	' incl var bigloviana
Elymus jejunus	Elymus virginicus var jejunus	E virginicus var virginicus in part	E virginicus var virginicus in part
ELYMUS LONGIFOLIUS	Sitanion longifolium	'	E elymoides subsp brevifolius
Elymus macgregorii	E virginicus var glabriflorus in part	not included	E glabriflorus in part
ELYMUS REPENS	Agropyron repens var subulatum	'	'
Elymus riparius	'	'	'
ELYMUS TRACHYCAULUS	Agropyron trachycaulum incl var glaucum	'	' incl subsp subsecundus
Elymus villosus	'	'	'
Elymus virginicus	as var virginicus	' in part	' in part
ENGELMANNIA PERISTENIA	E pinnatifida	'	'
Epifagus virginiana	'	'	'
EPILOBIUM CILIATUM	not included	'	'
Epilobium coloratum	'	'	'
Epilobium leptophyllum	'	'	'
EPIPACTIS HELLEBORINE	'	'	'
Equisetum × ferrissii	not included	'	'
Equisetum × nelsonii	not included	'	'
Equisetum arvense	'	'	'
Equisetum hyemale	as vars elatum & pseudohyemale	as var affine	'
Equisetum laevigatum	' incl E kansanum	'	'
ERAGROSTIS BARRELIERI	not included	'	'
Eragrostis capillaris	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
ERAGROSTIS CILIANENSIS	'	'	'
ERAGROSTIS CURTIPEDICELLATA	(')	'	'
ERAGROSTIS CURVULA	'	'	'
ERAGROSTIS ELLIOTTII	not included	'	'
Eragrostis frankii	'	'	'
Eragrostis glomerata	'	'	E japonica
Eragrostis hirsuta	'	'	'
Eragrostis hypnoides	'	'	'
Eragrostis intermedia	'	'	'
ERAGROSTIS MINOR	E poaeoides	'	'
ERAGROSTIS PECTINACEA var MISERRIMA	E arida	'	'
Eragrostis pectinacea var pectinacea	E pectinacea	'	'
ERAGROSTIS PILOSA	'	'	in part
Eragrostis reptans	'	'	Neeragrostis reptans
ERAGROSTIS SECUNDIFLORA subsp OXYLEPIS	not included	'	'
Eragrostis spectabilis	' incl var sparsihirsuta	'	'
Eragrostis trichodes	'	'	'
ERANTHUS HYEMALIS	not included	'	'
Erechtites hieracifolius	E "hieracifolia"	'	'
Erianthus alopecuroides	'	'	Saccharum alopecurioides
ERIANTHUS GIGANTEUS	not included	'	Saccharum giganteum
ERIANTHUS RAVENNAE	'	'	Saccharum ravennae
Erianthus strictus	'	'	Saccharum baldwinii
Erigenia bulbosa	'	'	'
Erigeron annuus	'	'	'
Erigeron philadelphicus	'	'	'
Erigeron pulchellus	'	'	'
Erigeron strigosus	' incl var beyrichii	'	' incl vars beyrichii & septentrionalis
Erigeron tenuis	'	'	'
ERIOCHLOA ACUMINATA	E gracilis	'	'
ERIOCHLOA CONTRACTA	'	'	'
ERIOCHLOA VILLOSA	not included	'	'
ERIOGONUM ANNUUM	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Eriogonum longifolium	'	'	'
ERODIUM CICUTARIUM	'	'	'
ERODIUM TEXANUM	'	'	'
ERUCA VESICARIA subsp SATIVA	E sativa	'	'
ERUCASTRUM GALLICUM	'	'	'
ERYNGIUM LEAVENWORTHII	(')	'	'
Eryngium prostratum	'	'	'
Eryngium yuccifolium	'	'	'
Erysimum capitatum	'	'	'
ERYSIMUM CHEIRANTHOIDES	'	'	'
ERYSIMUM INCONSPICUUM	'	'	'
ERYSIMUM REPANDUM	'	'	'
Erythronium albidum	as var albidum	'	'
Erythronium americanum	' in part	'	'
Erythronium mesochoreum	E albidum var mesochoreum	'	'
Erythronium rostratum	E americanum in part	'	'
ESCHSCHOLTZIA CALIFORNICA	'	'	'
EUONYMUS ALATUS	not included	'	'
Euonymus americanus	'	'	'
Euonymus atropurpureus	'	'	'
EUONYMUS EUROPAEUS	not included	(')	'
EUONYMUS HEDERACEUS	not included	'	E fortunei var radicans
Euonymus obovatus	'	'	'
Eupatorium album	not included	not included	'
Eupatorium altissimum	'	'	'
EUPATORIUM CAPILLIFOLIUM	'	'	'
Eupatorium fistulosum	'	'	Eutrochium fistulosum
Eupatorium hyssopifolium var calcaratum	'	'	'
Eupatorium maculatum	not included	as var bruneri	Eutrochium maculatum var bruneri
Eupatorium perfoliatum	' incl var cuneatum	'	'
Eupatorium purpureum	'	' incl var holzingeri	Eutrochium purpureum, incl var holzingeri
Eupatorium rotundifolium	not included	as var scabridum	as var scabridum
Eupatorium semiserratum	E cuneifolium var semiserratum	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Eupatorium serotinum	'	'	'
Eupatorium sessilifolium	as var brittonianum	'	' incl var brittonianum
Eupatorium torreyanum	not included	not included	E hyssopifolium in part
Euphorbia commutata	'	'	'
Euphorbia corollata	' incl vars mollis & paniculata	'	'
Euphorbia cyathophora	E heterophylla incl var graminifolia	'	'
EUPHORBIA CYPARISSIAS	'	'	'
Euphorbia davidii	E dentata in part	'	'
Euphorbia dentata	' in part	'	'
EUPHORBIA ESULA	'	'	' Incl var uralensis
Euphorbia geyeri	'	'	Chamaesyce geyeri
Euphorbia glyptosperma	'	'	Chamaesyce glyptosperma
Euphorbia humistrata	'	'	Chamaesyce humistrata
Euphorbia maculata	E supina	'	Chamaesyce maculata
Euphorbia marginata	'	'	'
Euphorbia missurica	'	'	Chamaesyce missurica
Euphorbia nutans	E maculata	'	Chamaesyce nutans
Euphorbia obtusata	'	'	E spathulata in part
EUPHORBIA OPTHALMICA	not included	not included	Chamaesyca opthalmica
Euphorbia ouachitana	not included	not included	not included
EUPHORBIA PROSTRATA	'	'	Chamaesyce prostrata
Euphorbia serpens	'	'	Chamaesyce serpens
EUPHORBIA SERPYLLIFOLIA	'	'	Chamaesyce serpyllifolia
Euphorbia spathulata	'	'	in part
EUPHORBIA STICTOSPORA	'	'	Chamaesyce stictiospora
Eurybia furcata	Aster furcatus	'	'
Eurybia hemispherica	Aster paludosus subsp hemisphericus	'	'
Eurybia macrophylla	not included	'	'
Euthamia graminifolia	Solidago graminifolia vars media & nuttallii	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Euthamia gymnospermoides	Solidago gymnospermoides	'	'
Euthamia leptocephala	Solidago leptocephala	'	'
EVOLVULUS ALSINOIDES	'	'	as var angustifolius
Evolvulus nuttallianus	'	'	'
EXOCHORDA RACEMOSA	not included	'	'
FAGOPYRUM ESCULENTUM	F sagittatum	'	'
Fagus grandifolia	as var caroliniana	'	'
FALCARIA VULGARIS	F sioides	'	'
FALLOPIA CONVOLVULUS	Polygonum convolvulus	'	Polygonum convolvulus
FALLOPIA DUMETORUM	Polygonum scandens in part, incl var cristatum	'	Polygonum scandens var dumetorum
FALLOPIA JAPONICA	Polygonum cuspidatum	'	Polygonum cuspidatum
Fallopia scandens	Polygonum scandens in part, incl var cristatum	'	Polygonum scandens incl var cristatum
FATOUA VILLOSA	not included	'	'
FESTUCA ARUNDINACEA	F elatior var arundinacea	'	Schedonorus arundinaceus
FESTUCA OVINA	as var ovina	'	'
Festuca paradoxa	'	'	'
FESTUCA PRATENSIS	F elatior var elatior	'	Schedonorus pratensis
FESTUCA RUBRA	' incl vars arenaria & commutata	'	' incl subsp arenaria
FESTUCA SORORIA	not included	'	'
Festuca subverticillata	F obtusa	'	'
FESTUCA TRACHYPHYLLA	F ovina var duriuscula	'	F brevipila
Filipendula rubra	'	'	'
Fimbristylis annua	F dichotoma	'	'
Fimbristylis autumnalis	' incl var mucronulata	'	'
FIMBRISTYLIS LITTORALIS	not included	'	'
Fimbristylis puberula	F caroliniana	'	'
Fimbristylis vahlii	'	'	'
FLAVERIA CAMPESTRIS	'	'	'
Fleischmannia incarnata	Eupatorium incarnatum	'	'
Floerkea proserpinacoides	'	'	'
FOENICULUM VULGARE	'	'	'
FONTANESIA PHILLYREOIDES subsp FORTUNEI	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Forestiera acuminata	'	'	'
FORSYTHIA SUSPENSA	not included	'	'
FRAGARIA × ANANASSA	'	'	'
Fragaria vesca var americana	'	'	'
Fragaria virginiana	' incl var illinoensis	'	' incl var grayana
Frasera caroliniensis	Swertia caroliniensis	'	'
Fraxinus americana	as var americana in part	'	F americana in part
Fraxinus biltmoreana	F americana var biltmoreana	'	F americana in part
Fraxinus pennsylvanica var pennsylvanica	'	F pennsylvanica in part	F pennsylvanica in part
Fraxinus pennsylvanica var subintegerrima	'	F pennsylvanica in part	F pennsylvanica in part
Fraxinus profunda	F tomentosa	'	'
Fraxinus quadrangulata	'	'	'
Fraxinus smallii	F americana var americana in part	'	F americana in part
Froelichia floridana var campestris	'	'	'
Froelichia gracilis	'	'	'
Fuirena simplex var aristatula	F simplex in part	'	'
Fuirena simplex var simplex	F simplex in part	'	'
FUMARIA OFFICINALIS	not included	'	'
Gaillardia aestivalis var flavovirens	G lutea	'	'
GAILLARDIA PULCHELLA	'	'	'
Galactia regularis	G volubilis var mississippiensis	'	'
GALANTHUS NIVALIS	not included	not included	'
Galearis spectabilis	Orchis spectabilis	'	'
GALEOPSIS TETRAHIT	'	'	'
GALINSOGA PARVIFLORA	'	'	'
GALINSOGA QUADRIRADIATA	G ciliata	'	'
GALIUM ANGLICUM	not included	'	G divaricatum in part
Galium aparine	'	'	'
Galium arkansanum	'	'	'
Galium asprellum	not included	'	'
Galium boreale	as var hyssopifolium	'	'
Galium circaezans	' incl var hypomalicum	'	' incl var hypomalicum
Galium concinnum	'	'	'
GALIUM DIVARICATUM	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Galium obtusum	'	'	'
GALIUM PEDEMONTANUM	G virgatum in part	'	Cruciata pedemontanum
Galium pilosum	'	'	' incl var puncticulosum
Galium tinctorium	'	'	'
Galium triflorum	'	'	'
GALIUM VERUM	'	'	'
Galium virgatum	in part	'	'
Gamochaeta argyrinea	Gnaphalium purpureum in part	'	Gnaphalium purpureum in part
GAMOCHAETA PENSYLVANICA	Gnaphalium purpureum in part	'	'
Gamochaeta purpurea	Gnaphalium purpureum in part	'	in part
Gaura coccinea	'	Oenothera suffrutescens	'
Gaura longiflora	Gaura biennis incl var pitcheri	Oenothers filiformis	'
Gaura parviflora	'	Oenothera curtiflora	'
GAURA SINUATA	not included	'	'
Gaylussacia baccata	'	'	'
Gentiana alba	Gentiana flavida	'	'
Gentiana andrewsii var andrewsii	G andrewsii	'	'
Gentiana andrewsii var dakotica	C clausa	'	'
Gentiana puberulenta	G puberula	'	'
Gentianella quinquefolia subsp occidentalis	Gentiana quinquefolia var occidentalis	'	'
Geocarpon minimum	'	'	'
Geranium carolinianum	' incl var confertiflorum	'	'
GERANIUM COLUMBINUM	not included	'	'
GERANIUM DISSECTUM	'	'	'
Geranium maculatum	'	'	'
GERANIUM MOLLE	'	'	'
GERANIUM PUSILLUM	'	'	'
Geum canadense	' incl var camporum	'	'
Geum fragarioides	Waldsteinia fragarioides	'	Waldsteinia fragarioides
Geum laciniatum	as var trichocarpum	'	as var trichocarpum
Geum triflorum	not included	'	'
Geum vernum	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Geum virginianum	not included	'	'
Gillenia stipulata	'	'	'
Gillenia trifoliata	'	'	'
GLADIOLUS COMMUNIS	not included	not included	'
Glandularia bipinnatifida	'	'	'
Glandularia canadensis	'	'	'
GLECHOMA HEDERACEA	' incl var micrantha	'	'
Gleditsia aquatica	'	'	'
Gleditsia triacanthos	'	'	'
GLINUS LOTOIDES	'	'	'
Glyceria acutiflora	'	'	'
Glyceria septentrionalis var arkansana	'	'	G arkansana
Glyceria septentrionalis var septentrionalis	'	'	G spetentrionalis
Glyceria striata	' incl var stricta	'	'
GLYCINE MAX	'	'	'
Glycyrrhiza lepidota	'	'	'
Gonolobus suberosus	Matelea gonocarpa	'	Matelea gonocarpos
Goodyera pubescens	'	'	'
GOSSYPIUM HIRSUTUM	G herbaceum	'	'
Gratiola neglecta	'	'	'
Gratiola virginiana	'	'	'
Gratiola viscidula	'	'	'
GRINDELIA CILIATA	Haplopappus ciliatus	'	G papposa
Grindelia lanceolata	'	'	'
GRINDELIA SQUARROSA	' incl vars nuda & serrulata	' incl vars nuda & quasiperennis	' incl G nuda
GUIZOTIA ABYSSINICA	not included	'	'
GUTIERREZIA TEXANA	'	'	'
Gymnocladus dioica	'	'	G "dioicus"
Gymnopogon ambiguus	'	'	'
Hackelia virginiana	'	'	'
HALESIA DIPTERA	not included	'	'
Hamamelis vernalis	'	'	'
Hamamelis virginiana	'	'	'
Hasteola suaveolens	Cacalia suaveolens	'	'
Hedeoma hispida	'	'	'
Hedeoma pulegioides	'	'	'
HEDERA HELIX	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
HELENIUM AMARUM	'	'	'
Helenium autumnale	' incl vars canaliculatum & parviflorum	'	'
Helenium flexuosum	'	'	'
Helenium virginicum	H autumnale × H flexuosum	'	'
Helianthemum bicknellii	'	'	'
Helianthemum canadense	(')	'	'
Helianthus × laetiflorus	H laetiflorus var laetiflorus	'	'
Helianthus angustifolius	'	'	'
Helianthus annuus	' incl vars lenticularis & nanus	'	'
Helianthus decapetalus	'	'	'
Helianthus divaricatus	'	'	'
Helianthus grosseserratus	'	'	'
Helianthus hirsutus	' incl vars stenophyllus & trachyphyllus	'	'
Helianthus maximiliani	H "maximiliani"	'	H "maximiliani"
Helianthus microcephalus	'	'	'
Helianthus mollis	'	'	'
Helianthus occidentalis	'	'	'
Helianthus pauciflorus subsp pauciflorus	H laetiflorus var rigidus	'	'
HELIANTHUS PAUCIFLORUS subsp SUBRHOMBOIDEUS	not included	'	'
HELIANTHUS PETIOLARIS	'	'	'
Helianthus salicifolius	'	'	'
Helianthus silphioides	'	'	'
Helianthus strumosus	'	'	'
Helianthus tuberosus	' incl var subcanescens	'	'
Heliopsis helianthoides var helianthoides	as var occidentalis	'	' incl var occidentalis
Heliopsis helianthoides var scabra	'	'	'
HELIOTROPIUM AMPLEXICAULE	not included	'	'
Heliotropium curassavicum	not included	'	'
HELIOTROPIUM INDICUM	'	'	'
HELIOTROPIUM PROCUMBENS	not included	'	'
Heliotropium tenellum	'	'	'
HELMINOTHECA ECHIOIDES	not included	'	Picris echioides

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
HEMEROCALLIS FULVA	' incl var kwanso	' incl var kwanso	'
Heracleum sphondylium subsp montanum	H maximum	'	H maximum
HESPERIS MATRONALIS	'	'	'
Heteranthera dubia	'	'	'
Heteranthera limosa	'	'	'
Heteranthera multiflora	H reneformis in part	'	'
Heteranthera reniformis	in part	'	'
Heteranthera rotundifolia	not included	'	'
Heterotheca camporum	Chrysopsis villosa var camporum	' incl var glandulissimum	' incl var glandulissimum
Heterotheca canescens	Chrysopsis villosa vars angustifolia & canescens	'	'
Heterotheca subaxillaris	H latifolia	'	'
Heuchera americana	as vars hirsuticaulis & interior	' incl var hirsuticaulis	' incl var hirsuticaulis
Heuchera parviflora var parviflora	H missouriensis	'	'
Heuchera parviflora var puberula	H puberula	'	'
Heuchera richardsonii	as vars affinis & grayana	'	'
Heuchera villosa	as var macrorhiza	'	'
Hexalectris spicata	'	'	'
Hibiscus laevis	H militaris	'	'
Hibiscus lasiocarpos	'	'	'
HIBISCUS SYRIACUS	'	'	'
HIBISCUS TRIONUM	'	'	'
HIERACIUM CAESPITOSUM	not included	'	'
Hieracium gronovii	'	'	'
Hieracium longipilum	'	'	'
Hieracium scabrum	' incl var intonsum	'	' incl var intonsum
HOLCUS LANATUS	'	'	'
HOLOSTEUM UMBELLATUM	'	'	'
Hordeum jubatum	' incl var caespitosum	'	' incl subsp intermedium
Hordeum pusillum	'	'	'
HORDEUM VULGARE	' incl var trifurcatum	'	'
Hottonia inflata	'	'	'
Houstonia caerulea	'	'	'
Houstonia longifolia var longifolia	'	H longifolia in part	H longifolia in part

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Houstonia longifolia var tenuifolia	'	H longifolia in part	H longifolia in part
Houstonia micrantha	not included	'	'
Houstonia nigricans	'	'	Stenaria nigricans
Houstonia purpurea	' incl var calycosa	'	' incl var calycosa
Houstonia pusilla	Houstonia minima & Houstonia pusilla	'	'
Houstonia rosea	not included	'	'
HUMULUS JAPONICUS	'	'	'
Humulus lupulus var lupulus	' in part	'	'
Humulus lupulus var neomexicanus	' in part	'	'
Humulus lupulus var pubescens	' in part	'	'
Huperzia lucidula	Lycopodium lucidulum	'	'
Huperzia porophila	Lycopodium selago var patens	'	'
Hydrangea arborescens	' incl vars deamii & oblonga	' incl subsp discolor	'
Hydrastis canadensis	'	'	'
HYDRILLA VERTICILLATA	not included	not included	'
Hydrocotyle ranunculoides	not included	'	'
Hydrocotyle verticillata	'	'	'
Hydrolea ovata	'	'	'
Hydrolea uniflora	'	'	'
Hydrophyllum appendiculatum	'	'	'
Hydrophyllum canadense	'	'	'
Hydrophyllum virginianum	'	'	'
Hylodesmum glutinosim	Desmodium glutinosum	'	Desmodium glutinosum
Hylodesmum nudiflorum	Desmodium nudiflorum	'	Desmodium nudiflorum
Hylodesmum paucíflorum	Desmodium paucíflorum	'	Desmodium paucíflorum
Hymenocallis caroliniana	H occidentalis	'	'
Hymenopappus scabiosaeus	'	'	'
Hypericum adpressum	not included	'	'
Hypericum ascyron subsp pyramidatum	H pyramidatum	'	H ascyron
Hypericum drummondii	'	'	'
Hypericum gentianoides	'	'	'
Hypericum gymnanthum	'	'	'
Hypericum hypericoides	Ascyrum hypericoides var hypericoides	as subsp hypericoides	as subsp hypericoides

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Hypericum lobocarpum	H densiflorum incl var lobocarpum	'	'
Hypericum majus	H canadense	'	'
Hypericum mutilum	' incl var parviflorum	'	'
HYPERICUM PERFORATUM	'	'	'
Hypericum prolificum	H spathulatum	'	'
Hypericum pseudomaculatum	H punctatum var pseudomaculatum	'	'
Hypericum punctatum	as var punctatum	'	'
Hypericum sphaerocarpum	' incl var turgidum	'	'
Hypericum strangulum	Ascyrum hypericoides var multicaule	H hypericoides subsp multicaule	H hypericoides subsp multicaule
HYPOCHAERIS RADICATA	'	'	'
Hypoxis hirsuta	'	'	'
Ilex decidua	'	'	'
Ilex opaca	'	'	'
Ilex verticillata	as var padifolia	as var padifolia	'
ILEX VOMITORIA	not included	'	'
IMPATIENS BALSAMINEA	'	'	'
Impatiens capensis	'	'	'
Impatiens pallida	'	'	'
INULA BRITANNICA	not included	'	'
INULA HELENIUM	'	'	'
Iodanthus pinnatifidus	'	'	'
Ionactis linariifolius	Aster linariifolius	'	'
IPOMOEA AMNICOLA	'	'	'
IPOMOEA COCCINEA	'	'	'
IPOMOEA HEDERACEA	' incl var integriuscula	'	'
Ipomoea lacunosa	'	'	'
Ipomoea pandurata	'	'	'
IPOMOEA PURPUREA	'	'	'
IPOMOEA QUAMOCLIT	'	'	'
IPOMOEA TRICOLOR	not included	'	'
IPOMOPSIS RUBRA	Gilia rubra	'	'
Iresine rhizomatosa	'	'	'
Iris brevicaulis	'	'	'
Iris cristata	'	'	'
Iris fulva	'	'	'
IRIS GERMANICA	'	'	'
IRIS ORIENTALIS	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
IRIS PALLIDA	'	'	'
IRIS PSEUDOACORUS	'	'	'
IRIS PUMILA	'	'	'
IRIS VERNA	not included	'	'
Iris virginica var shrevei	'	'	'
ISATIS TINCTORIA	(')	'	'
Isoetes butleri	'	'	'
Isoetes engelmannii	'	'	'
Isoetes melanopoda	'	'	'
Isolepis carinata	Scirpus koilolepis	'	'
Isolepis molesta	not included	'	'
Isopyrum biternatum	'	'	Enemion biternatum
Isotria medeoloides	'	'	'
Isotria verticillata	'	'	'
Itea virginica	'	'	'
IVA ANGUSTIFOLIA	not included	not included	'
Iva annua	I ciliata	'	' incl vars caudata & macrocarpa
JACQUEMONTIA TAMNIFOLIA	not included	'	'
JASMINUM NUDIFLORUM	not included	'	'
Juglans cinerea	'	'	'
Juglans nigra	'	'	'
Juncus acuminatus	'	'	'
Juncus alpinoarticulatus	J alpinus var fuscescens	'	as subsp nodulosus
Juncus balticus subsp littoralis	J balticus var littoralis	'	J arcticus subsp littoralis
Juncus biflorus	'	'	'
Juncus brachycarpus	'	'	'
Juncus brachyphyllus	J kansanus	'	'
Juncus bufonius	'	'	'
Juncus canadensis	'	'	'
Juncus debilis	'	'	'
Juncus diffusissimus	'	'	'
Juncus dudleyi	'	'	'
Juncus effusus subsp solutus	J effusus var solutus	'	as var solutus
Juncus filipendulus	not included	not included	'
JUNCUS GERARDII	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Juncus interior	'	'	'
Juncus marginatus	' incl var setosus	'	'
Juncus nodatus	'	'	'
Juncus nodosus	'	'	'
Juncus scirpoides	'	'	'
Juncus secundus	'	'	'
Juncus subcaudatus	'	'	'
Juncus tenuis var anthelatus	J tenuis fs anthelatus & discretiflorus	'	J anthelatus
Juncus tenuis var tenuis	J tenuis f tenuis	'	'
Juncus torreyi	'	'	'
Juncus validus	'	'	'
Juniperus ashei	'	'	'
Juniperus virginiana	'	'	'
Justicia americana	'	'	'
Justicia ovata	'	as var lanceolata	as var lanceolata
KALLSTROEMIA PARVIFLORA	K hirsutissima	'	'
KICKXIA ELATINE	'	'	'
KICKXIA SPURIA	'	'	'
KNAUTIA ARVENSIS	not included	not included	'
KOCHIA SCOPARIA	' incl vars culta & pubescens	'	Bassia scoparia
Koeleria macrantha	K cristata	'	'
KOELRUETERIA PANICULATA	not included	'	'
KOLKWITZIA AMABILIS	not included	not included	'
Krigia biflora	'	'	'
Krigia caespitosa	Serenia oppositifolia	'	'
Krigia dandelion	'	'	'
Krigia occidentalis	'	'	'
Krigia virginica	'	'	'
KUMMEROWIA STIPULACEA	Lespedeza stipulacea	'	'
KUMMEROWIA STRIATA	Lespedeza striata	'	'
KYLLINGA GRACILLIMA	not included	'	'
Kyllinga pumila	Cyperus tenuifolius	'	'
LABLAB PURPUREUS	not included	'	'
Lactuca canadensis	' incl vars latifolia, longifolia & obovata	'	'
Lactuca floridana	' incl var villosa	'	' incl var villosa
Lactuca hirsuta	' incl var sanguinea	'	' incl var sanguinea

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Lactuca ludoviciana	'	'	'
LACTUCA SALIGNA	'	'	'
LACTUCA SERRIOLA	L scariola	'	'
Lactuca tatarica subsp pulchella	L pulchella	'	as var pulchella
LAGENARIA SICERARIA	'	'	'
LAMIUM AMPLEXICAULE	'	'	'
LAMIUM HYBRIDUM	not included	'	L purpureum var incisum
LAMIUM PURPUREUM	'	'	'
Laportea canadensis	'	'	'
LAPPULA REDOWSKII	as var occidentalis	'	L occidentalis incl var cupulata
LAPPULA SQUARROSA	L echinata	'	'
LAPSANA COMMUNIS	'	'	'
LATHYRUS HIRSUTUS	'	'	'
LATHYRUS LATIFOLIUS	'	'	'
Lathyrus palustris	' incl var myrtifolius	'	'
Lathyrus pusillus	'	'	'
LATHYRUS SYLVESTRIS	not included	'	'
LATHYRUS TUBEROSUS	not included	'	'
Lathyrus venosus	as var intonsus	'	'
LAVATERA TRIMESTRIS	not included	'	'
Leavenworthia uniflora	'	'	'
Lechea mucronata	L villosa	'	'
Lechea racemulosa	'	'	'
Lechea tenuifolia	'	'	'
Leersia lenticularis	'	'	'
Leersia oryzoides	'	'	'
Leersia virginica var ovata	L virginica in part	L virginica in part	L virginica in part
Leersia virginica var virginica	L virginica in part	L virginica in part	L virginica in part
Leitneria floridana	'	'	' incl L pilosa subsp ozarkana
Lemna aequinoctialis	not included	'	'
Lemna minor	'	'	'
Lemna minuta	L minima	'	'
Lemna obscura	not included	'	'
Lemna perpusilla	'	'	'
Lemna trisulca	'	'	'
Lemna turionifera	not included	'	'
Lemna valdiviana	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
LEONTODON TARAXACOIDES	not included	'	'
LEONURUS CARDIACA	'	'	'
LEONURUS JAPONICUS	L sibiricus	'	L sibiricus
LEONURUS MARRUBIASTRUM	not included	'	Chaiturus marrubiastrum
LEPIDIUM APPELIANUM	Cardaria pubescens var elongata	'	Cardaria pubescens
LEPIDIUM CAMPESTRE	'	'	'
LEPIDIUM CHALAPENSE	Cardaria draba in part	'	Cardaria chalapensis
LEPIDIUM DENSIFLORUM	'	'	'
LEPIDIUM DIDYMUM	Coronopus didymus	'	Coronopus didymus
LEPIDIUM DRABA	Cardaria draba in part	'	Cardaria draba
LEPIDIUM LATIFOLIUM	not included	'	'
LEPIDIUM PERFOLIATUM	'	'	'
LEPIDIUM RUDERALE	not included	'	L oblongum
Lepidium virginicum	'	'	'
LEPTOCHLOA DUBIA	not included	'	'
Leptochloa fusca subsp fascicularis	Diplachne acuminata & D fascicularis	'	'
LEPTOCHLOA FUSCA subsp UNINERVIA	not included	'	'
Leptochloa panicea subsp brachiata	L filiformis var filiformis	'	'
Leptochloa panicea subsp mucronata	L filiformis var attenuata	'	'
Leptochloa panicoides	Diplachne halei	'	'
LESPEDEZA BICOLOR	not included	'	'
Lespedeza capitata	' incl vars stenophylla & vulgaris	'	'
LESPEDEZA CUNEATA	'	'	'
Lespedeza frutescens	L violacea in part	' in part	' in part
Lespedeza hirta	'	as subsp hirta	'
Lespedeza prairea	L violacea in part	L frutescens in part	L frutescens in part
Lespedeza procumbens	' incl var elliptica	'	'
Lespedeza repens	'	'	'
Lespedeza stuevei	' incl var angustifolia	'	'
LESPEDEZA THUNBERGII	'	'	'
Lespedeza violacea	L intermedia	'	'
Lespedeza virginica	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
LEUCANTHEMUM VULGARE	Chrysanthemum leucanthemum incl var pinnatifidum	'	'
LEUCOJUM AESTIVUM	'	'	' incl spp pulchellum
Leucospora multifida	Conobea multifida	'	'
LEVISTICUM OFFICINALE	L paludapifolium	'	'
Liatris aspera	'	'	' incl var intermedia
Liatris cylindracea	'	'	'
Liatris mucronata	'	'	'
Liatris punctata	as var nebraskana	'	as var nebraskana
Liatris pycnostachya	'	'	'
Liatris scariosa var nieuwlandii	L ligulistylis	'	'
Liatris spicata	'	'	'
Liatris squarrosa var hirsuta	'	'	'
Liatris squarrosa var squarrosa	' incl var glabrata	' incl var glabrata	' incl var glabrata
Liatris squarrulosa	L scabra	'	'
Ligusticum canadense	'	'	'
LIGUSTRUM OBTUSIFOLIUM	not included	'	'
LIGUSTRUM OVALIFOLIUM	'	'	'
LIGUSTRUM SINENSE	not included	'	'
LIGUSTRUM VULGARE	'	'	'
LILIUM LANCIFOLIUM	L tigrinum	'	'
Lilium michiganense	'	'	'
Lilium philadelphicum var andinum	not included	'	'
Lilium superbum	(')	'	'
Limnobium spongia	'	'	'
Limnosciadium pinnatum	Cynosciadium pinnatum	'	'
LINARIA VULGARIS	'	'	'
Lindera benzoin	' incl var pubescens	'	' incl var pubescens
Lindera melissifolia	L melissaefolium	'	'
Lindernia dubia var anagallidea	L anagallidea	L dubia in part	'
Lindernia dubia var dubia	L dubia	L dubia in part	'
Linum floridanum	not included	'	'
Linum medium var texanum	'	'	'
LINUM RIGIDUM	'	' as var compactum	L compactum
Linum striatum	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Linum sulcatum	'	'	'
LINUM USITATISSIMUM	'	'	'
Linum virginianum	not included	'	'
Liparis liliifolia	'	'	'
Liparis loeselii	'	'	'
Lipocarpha aristulata	Hemicarpha drummondii in part	'	'
Lipocarpha drummondii	Hemicarpha drummondii in part	'	'
Lipocarpha micrantha	Hemicarpha micrantha	'	'
Lippia lanceolata	'	'	Phyla lanceolata
Lippia nodiflora	'	'	Phyla nodiflora
Liquidamber styraciflua	'	'	'
Liriodendron tulipifera	'	'	'
LIRIOPE MUSCARI	not included	not included	'
LIRIOPE SPICATA	not included	not included	'
Listera australis	not included	not included	'
Lithospermum canescens	'	'	'
Lithospermum carolinense	'	'	' incl var croceum
Lithospermum incisum	'	'	'
Lithospermum latifolium	'	'	'
Lobelia cardinalis	'	'	'
Lobelia inflata	'	'	'
Lobelia puberula	as var mineolana	'	' incl var minneolana
Lobelia siphilitica	' incl var ludoviciana	'	' incl var ludoviciana
Lobelia spicata	' incl vars campanulata, hirtella & leptostachys	' incl var leptostachys	' incl vars campanulata, hirtella & leptostachys
LOBULARIA MARITIMA	not included	'	'
LOLIUM PERENNE var ARISTATUM	L multiflorum incl var diminutum	'	L perenne subsp multiflorum in part
LOLIUM PERENNE var PERENNE	L perenne	'	as subsp perenne
LOLIUM PERSICUM	L temulentum	'	'
LOLIUM RIGIDUM	L temulentum var macrochaeton	'	'
LOLIUM TEMULENTUM	not included (name as applied here conceptually refers to L persicum & L rigidum)	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Lomatium foeniculaceum	'	' incl subsp daucifolium	' incl subsp daucifolium
LONICERA × BELLA	L morrowi	'	'
LONICERA × PERPUSII	not included	'	not included
Lonicera dioica	' incl var glaucescens	'	'
Lonicera flava	' incl var flavescens	'	'
LONICERA FRAGRANTISSIMA	not included	(')	'
LONICERA JAPONICA	'	'	'
LONICERA MAACKII	not included	'	'
Lonicera reticulata	L prolifera	'	'
LONICERA SEMPERVIRENS	'	'	'
LOTUS CORNICULATUS	'	'	'
Ludwigia alternifolia	' incl var pubescens	'	'
Ludwigia decurrens	Jussiaea decurrens	'	'
Ludwigia glandulosa	'	'	'
LUDWIGIA GRANDIFLORA	Jussiaea uruguayensis	'	'
Ludwigia leptocarpa	Jussiaea leptocarpa	'	'
Ludwigia linearis	not included	'	'
Ludwigia microcarpa	'	'	'
Ludwigia palustris	as vars americana & nana	'	'
Ludwigia peploides subsp glabrescens	Jussiaea repens var glabrescens	'	'
Ludwigia polycarpa	'	'	'
LUNARIA ANNUA	not included	'	'
Luzula campestris var bulbosa	L bulbosa in part	'	L bulbosa
Luzula campestris var echinata	L bulbosa in part	'	L echinata
Luzula campestris var multiflora	L bulbosa in part	'	L multiflora
LYCHNIS CORONARIA	not included	'	'
LYCIUM BARBARUM	L halimifolium	'	'
LYCIUM CHINENSE	'	'	'
Lycopodium dendroideum	L obscurum var dendroideum	'	'
Lycopodium digitatum	not included	'	'
Lycopodium tristachyum	'	'	'
Lycopus americanus	' incl var longii	'	'
Lycopus asper	'	'	'
Lycopus rubellus	' incl vars arkansanus & lanceolatus	'	'
Lycopus uniflorus	not included	'	'
Lycopus virginicus	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Lygodesmia juncea	'	'	'
Lyonia mariana	'	'	'
Lysimachia ciliata	'	'	'
Lysimachia hybrida	'	'	'
Lysimachia lanceolata	'	'	'
LYSIMACHIA NUMMULARIA	'	'	'
Lysimachia quadriflora	'	'	'
Lysimachia radicans	'	'	'
Lysimachia terrestris	not included	'	'
Lysimachia thyrsiflora	'	'	'
LYSIMACHIA VULGARIS	not included	'	'
Lythrum alatum	'	' incl var lanceolatum	'
LYTHRUM SALICARIA	'	'	'
MACLURA POMIFERA	'	'	'
Magnolia acuminata	'	'	'
MAGNOLIA TRIPETALA	(')	'	'
Maianthemum racemosum	Smilacina racemosa incl var cylindrata	'	'
Maianthemum stellatum	Smilacina stellata	'	'
Malaxis unifolia	'	'	'
MALUS × SOULARDII	Pyrus × soulardii	'	'
Malus angustifolia	Pyrus angustifolia var spinosa	'	as var puberula
MALUS BACCATA	not included	'	'
Malus coronaria	Pyrus coronaria incl var lancifolia	'	'
MALUS DOMESTICA	Pyrus malus	'	Malus pumila
MALUS FLORIBUNDA	not included	'	'
Malus ioensis	Pyrus ioensis	'	'
MALUS SIEBOLDII	not included	'	M toringo
MALVA MOSCHATA	'	'	'
MALVA NEGLECTA	'	'	'
MALVA PARVIFLORA	'	'	'
MALVA PUSILLA	M rotundifolia	'	'
MALVA SYLVESTRIS	'	'	'
MALVA VERTICILLATA	as var crispa	as var crispa	'
Malvastrum angustum	Sphaeralcea angusta	'	Malvastrum hispidum
Manfreda virginica	Agave virginica	'	'
MARRUBIUM VULGARE	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Marshallia caespitosa var caespitosa	'	'	'
Marshallia caespitosa var signata	'	'	'
MARSILEA MUTICA	not included	not included	'
MARSILEA QUADRIFOLIA	' incl M mucronata	'	'
Matelea baldwyniana	'	'	'
Matelea decipiens	' incl M obliqua	'	'
MATRICARIA CHAMOMILLA	'	'	M recutita
MATRICARIA DISCOIDEA	M matricarioides	'	'
Matteuccia struthiopteris var pensylvanica	'	'	M struthiopteris
MAZUS PUMILUS	M japonicus	'	'
Mecardonia acuminata	Bacopa acuminata	'	'
Medeola virginiana	'	'	'
MEDICAGO ARABICA	'	'	'
MEDICAGO LUPULINA	' incl var glandulosa	'	'
MEDICAGO MINIMA	not included	'	'
MEDICAGO POLYMORPHA	as var vulgaris	'	'
MEDICAGO SATIVA	'	'	'
MELAMPODIUM CINEREUM var RAMOSISSIMUM	not included	'	'
Melanthium virginicum	'	'	Veratrum virginicum
MELIA AZEDARACH	'	'	'
Melica mutica	not included	not included	'
Melica nitens	'	'	'
MELILOTUS ALBUS	'	'	M officinalis in part
MELILOTUS OFFICINALE	M "officinalis"	'	M "officinalis" in part
MELISSA OFFICINALIS	'	'	'
MELOCHIA CORCHORIFOLIA	not included	'	'
Melothria pendula	'	'	'
Menispermum canadense	'	'	'
MENTHA × GRACILIS	M cardiaca, (M gentilis)	'	'
MENTHA × PIPERITA	M piperita & M citrata	'	'
MENTHA AQUATICA var CITRATA	not included	'	M aquatica in part
Mentha canadensis	M arvensis incl var villosa	'	M arvensis
MENTHA LONGIFOLIA	as vars mollissima & undulata	'	M spicata in part

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
MENTHA SPICATA	'	'	' in part
MENTZELIA ALBESCENS	'	'	'
MENTZELIA NUDA	not included	'	'
Mentzelia oligosperma	'	'	'
Menyanthes trifoliata	as var minor	'	'
Mertensia virginica	'	'	'
Micranthes pensylvanica var forbesii	Saxifraga pensylvanica var forbesii	'	S pensylvanica in part
Micranthes texana	Saxifraga texana	Micranthes texana	Saxifraga texana
Micranthes virginiensis	Saxifraga virginiensis	Micranthes virginiensis	Saxifraga virginiensis
MICROSTEGIUM VIMINEUM	not included	'	'
MICROTHLASPI PERFOLIATUM	Thlaspa perfoliatum	'	'
Mikania scandens	'	'	'
Mimosa quadrivalvis var nuttallii	Schrankia uncinata	'	M nuttallii
Mimulus alatus	'	'	'
Mimulus glabratus	as var fremontii	as var jamesii	as var jamesii
Mimulus ringens	' incl var minthodes	'	'
Minuartia michauxii	Arenaria stricta	'	' incl var texana
Minuartia muscorum	Arenaria patula var robusta	'	'
Minuartia patula	Arenaria patula var patula	'	'
Mirabilis albida	' incl M hirsuta	'	'
Mirabilis linearis	'	'	'
Mirabilis nyctaginea	'	'	'
MISCANTHUS SACCHARIFLORUS	not included	'	'
MISCANTHUS SINENSIS	M floridulus	'	'
Mitchella repens	'	'	'
Mitella diphylla	'	'	'
Mitreola petiolata	Cynoctonum mitreola	'	'
Moehringia lateriflora	Arenaria lateriflora	'	'
MOLLUGO VERTICILLATA	'	'	'
Monarda bradburiana	M russeliana	'	'
Monarda citriodora	'	'	'
Monarda clinopodia	'	'	'
MONARDA DIDYMA	'	'	'
Monarda fistulosa	' incl var mollis	'	'
MONARDA PECTINATA	'	'	'
Monarda punctata var arkansana	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
MONARDA PUNCTATA var OCCIDENTALIS	'	'	'
Monarda punctata var villicaulis	'	'	'
MONOLEPIS NUTTALLIANA	'	'	'
Monotropa hypopitys	'	'	'
Monotropa uniflora	'	'	'
MORUS ALBA	'	'	'
Morus rubra	'	'	'
Muhlenbergia asperifolia	'	'	'
Muhlenbergia bushii	M brachyphylla	'	'
Muhlenbergia capillaris	'	'	'
Muhlenbergia cuspidata	'	'	'
Muhlenbergia frondosa	'	'	'
Muhlenbergia glabriflois	M "glabriflora"	'	M "glabriflora"
Muhlenbergia mexicana	'	'	'
Muhlenbergia racemosa	'	'	'
Muhlenbergia schreberi	' incl var curtisetosa	'	'
Muhlenbergia sobolifera	'	'	'
Muhlenbergia sylvatica	'	'	'
Muhlenbergia tenuiflora	'	'	'
MUSCARI BOTRYOIDES	'	'	'
MUSCARI COMOSUM	not included	'	'
MUSCARIA RACEMOSUM	not included	'	M neglectum
Myosotis macrosperma	M virginica var macrosperma	'	'
MYOSOTIS SCORPIOIDES	'	'	'
MYOSOTIS STRICTA	not included	'	'
Myosotis verna	M virginica var virginica	'	'
MYOSOTON AQUATICUM	not included	'	'
Myosurus minimus	'	'	'
MYRIOPHYLLUM AQUATICUM	M brasiliense	'	'
Myriophyllum heterophyllum	'	'	'
Myriophyllum pinnatum	'	'	'
MYRIOPHYLLUM SIBIRICUM	not included	'	'
MYRIOPHYLLUM SPICATUM	not included	'	'
Najas flexilis	'	'	'
Najas gracillima	'	'	'
Najas guadalupensis	'	'	'
NAJAS MINOR	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
NARCISSUS POETICUS	'	'	'
NARCISSUS PSEUDO-NARCISSUS	'	'	'
NASTURTIUM OFFICINALE	' incl var siifolium	'	'
Nelumbo lutea	'	'	'
NELUMBO NUCIFERA	'	'	'
Nemastylis geminiflora	'	'	'
Nemastylis nuttallii	'	'	'
NEPETA CATARIA	'	'	'
NESLIA PANICULATA	'	'	'
Neviusia alabamensis	'	'	'
NICANDRA PHYSALODES	'	'	'
NICOTIANA LONGIFLORA	'	'	'
NICOTIANA RUSTICA	'	'	'
NICOTIANA TABACUM	(')	'	'
Nothocalis cuspidata	Agoseris cuspidata	'	'
Nothoscordum bivalve	'	'	'
Nuphar advena subsp advena	Nuphar luteum subsp macrophyllum	'	N lutea subsp advena in part
Nuphar advena subsp ozarkana	Nuphar luteum subsp ozarkanum	'	N lutea subsp advena in part
Nuttallanthus canadensis	Linaria canadensis var canadensis	'	'
Nuttallanthus texanus	Linaria canadensis var texana	'	'
Nymphaea odorata	' incl var gigantea & N tuberosa	'	' incl subsp tuberosa
NYMPHOIDES PELTATA	N "peltatum"	'	'
Nyssa aquatica	'	'	'
Nyssa biflora	not included	'	'
Nyssa sylvatica	' incl var caroliniana	'	'
Obolaria virginica	'	'	'
OCIMUM BASILICUM	'	'	'
OENANTHE JAVANICA	not included	'	'
Oenothera biennis	' incl vars hirsutissima & pycnocarpa	'	'
Oenothera clelandii	O rhombipetala in part	'	'
Oenothera fruticosa subsp fruticosa	as var linearis	'	'
Oenothera fruticosa subsp glauca	O fruticosa var hybrida	'	'
Oenothera grandis	O laciniata var grandiflora	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
OENOTHERA HETEROPHYLLA	not included	'	'
Oenothera laciniata	as var laciniata	'	'
Oenothera linifolia	'	'	'
Oenothera macrocarpa	O missouriensis	'	'
Oenothera nutans	not included	'	'
Oenothera parviflora	not included	'	'
Oenothera perennis	'	'	'
Oenothera pilosella	'	'	'
Oenothera rhombipetala	in part	'	'
Oenothera speciosa	' incl O kunthiana	'	'
Oenothera triloba	'	'	'
Oenothera villosa	O biennis var canescens	'	'
Oldenlandia boscii	'	'	'
Oldenlandia uniflora	'	'	'
Oligoneuron album	Aster ptarmicoides	Solidago ptarmicoides	'
Oligoneuron riddellii	Solidago riddellii	Solidago riddellii	'
Oligoneuron rigidum	Solidago rigida	Solidago rigida,incl subsp glabrata & humilis	' incl vars glabratum & humile
Onoclea sensibilis	'	'	'
ONOPORDUM ACANTHIUM	'	'	'
Onosmodium molle subsp hispidissimum	O hispidissimum	'	O bejariense var hispidissimum
Onosmodium molle subsp occidentale	O occidentale	'	O bejariense var occidentale
Onosmodium molle subsp subsetosum	O subsetosum	'	O bejariense var subsetorum
Ophioglossum crotalophoroides	not included	'	'
Ophioglossum engelmannii	'	'	'
Ophioglossum petiolatum	not included	'	'
Ophioglossum vulgatum	as vars pycnostichum & pseudopodum	'	'
Opuntia humifusa	O compressa	'	'
Opuntia macrorhiza	'	'	'
Opuntia polyacantha	(')	'	'
Orbexilum onobrychis	Psoralea onobrychis	'	'
Orbexilum pedunculatum	Psoralea psoralioides var eglandulosa	'	'
ORIGANUM VULGARE	not included	'	'
ORNITHOGALUM NUTANS	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
ORNITHOGALUM UMBELLATUM	'	'	'
Orobanche ludoviciana	'	'	as subsp ludoviciana
Orobanche riparia	not included	'	'
Orobanche uniflora	'	'	'
ORYZA SATIVA	'	'	'
Oryzopsis racemosa	'	'	Patis racemosa
Osmorhiza claytonii	O "claytoni"	'	'
Osmorhiza longistylis	' incl vars brachycoma & villicaulis	'	'
Osmunda cinnamomea	'	'	'
Osmunda claytoniana	'	'	'
Osmunda regalis var spectabilis	'	'	'
Ostrya virginiana	' incl var lasia	'	'
OTTELIA ALISMOIDES	not included	not included	'
OXALIS CORNICULATA	'	'	'
Oxalis dillenii	as subsp dillenii	'	' in part
Oxalis florida	O dillenii subsp filipes	'	O dillenii in part
Oxalis stricta	'	'	'
Oxalis violacea	' incl var trichophora	'	'
Oxypolis rigidior	' incl var ambigua	'	'
Oxytropis lambertii	'	'	'
PACHYSANDRA PROCUMBENS	not included	'	'
Packera aurea	Senecio aureus incl vars gracilis & intercursus	'	'
Packera glabella	Senecio glabellus	'	'
Packera obovata	Senecio obovatus	'	'
Packera paupercula	Senecio pauperculus var balsamitae	'	'
Packera plattensis	Senecio plattensis	'	'
Packera pseudaurea var semicordata	Senecio aureus var semicordatus	'	'
Packera tomentosa	not included	'	'
Palafoxia callosa	'	'	'
Panax quinquefolius	'	'	'
Panicum anceps	'	'	'
Panicum capillare	' incl var occidentale	'	'
Panicum dichotomiflorum	' incl var geniculatum	'	'
Panicum flexile	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Panicum gattingeri	'	P philadelphicum in part	'
Panicum longifolium	P rigidulum in part	P rigidulum in part	P rigidulum in part
PANICUM MILIACEUM	'	'	'
PANICUM OBTUSUM	'	'	'
Panicum philadelphicum	' incl var tuckermanii	' in part	'
Panicum rigidulum	P agrostoides in part, incl vars condensum & ramosius, & P stipitatum	' in part	' in part, incl var elongatum
Panicum verrucosum	not included	'	'
Panicum virgatum	'	'	'
PAPAVER DUBIUM	'	'	'
PAPAVER RHOEAS	'	'	'
PAPAVER SOMNIFERUM	'	'	'
Parietaria pensylvanica	'	'	'
Parnassia grandifolia	'	'	'
Paronychia canadensis	'	'	'
Paronychia fastigiata	' incl var paleacea	'	' incl var paleacea
Paronychia virginica	not included	'	'
Parthenium hispidum	'	Parthenium integrifolium var hispidum	'
PARTHENIUM HYSTEROPHORUS	'	'	'
Parthenium integrifolium	'	Parthenium integrifolium var integrifolium	'
Parthenocissus quinquefolia	'	'	'
PARTHENOCISSUS TRICUSPIDATA	not included	'	'
Parthenocissus vitacea	P inserta	'	'
Pascopyrum smithii	Agropyron smithii	Elymus smithii	'
PASPALIDIUM GEMINATUM	Panicum geminatum	'	'
Paspalum bifidum	not included	'	'
PASPALUM DILATATUM	'	'	'
Paspalum dissectum	'	'	'
PASPALUM DISTICHUM	not included	'	'
Paspalum floridanum	' incl var glabratum	' incl var glabratum	'
Paspalum laeve var circulare	' incl var pilosum	' incl var pilosum	P laeve in part
Paspalum laeve var laeve	'	'	' in part

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Paspalum pubiflorum	as var glabrum	as var glabrum	'
Paspalum repens	P fluitans	'	P fluitans
Paspalum setaceum var ciliatifolium	P ciliatifolium var ciliatifolium	'	P setaceum in part
Paspalum setaceum var muhlenbergii	P ciliatifolium var muhlenbergii	'	P setaceum in part
Paspalum setaceum var setaceum	'	'	P setaceum in part
Paspalum setaceum var stramineum	P ciliatifolium var stramineum & P bushii	'	P setaceum in part
PASPALUM URVILLEI	'	'	'
Passiflora incarnata	'	'	'
Passiflora lutea	as var glabriflora	as var glabriflora	'
PASTINACA SATIVA	'	'	'
PAULOWNIA TOMENTOSA	'	'	'
Pedicularis canadensis	'	'	'
Pedicularis lanceolata	'	'	'
Pediomelum argophyllum	Psoralea argyphylla	'	'
Pediomelum esculentum	Psoralea esculenta	'	'
Pediomelum tenuiflorum	Psoralea tenuiflora incl var floribunda	'	Psoralidium tenuiflorum
Pellaea × gastonyi	not included	P gastonyi	P gastonyi
Pellaea atropurpurea	'	'	'
Pellaea glabella	'	' incl var missouriensis	' incl subsp missouriensis
Peltandra virginica	'	'	'
PENNISETUM ALOPECUROIDES	not included	(')	'
PENNISETUM AMERICANUM	not included	'	P glaucum
PENNISETUM SETACEUM	not included	not included	'
Penstemon arkansanus	'	'	'
Penstemon cobaea var cobaea	'	P cobaea in part	P cobara in part
Penstemon cobaea var purpureus	'	P cobaea in part	P cobaea in part
Penstemon digitalis	' incl P alluviorum	'	'
Penstemon grandiflorus	'	'	'
Penstemon pallidus	'	'	'
Penstemon tenuis	not included	'	'
Penstemon tubaeflorus	'	'	'
Penthorum sedoides	'	'	'
Peridendia americana	'	'	'
PERILLA FRUTESCENS	' incl var crispa	'	' incl var crispa

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Persicaria amphibia var emersa	Polygonum coccineum incl var pratincola	'	Polygonum amphibium var emersum
Persicaria amphibia var stipulacea	Polygonum amphibium var stipulaceum	'	Polygonum amphibium var stipulaceum
Persicaria arifolia	Polygonum arifolium var pubescens	'	Polygonum arifolium
Persicaria bicornis	Polygonum bicorne	'	Polygonum pensylvanicum in part
Persicaria glabra	Polygonum densiflorum	'	Polygonum glabrum
Persicaria hydropiper	Polygonum hydropiper	'	Polygonum hydropiper
Persicaria hydropiperoides	Polygonum hydropiperoides incl var opelousanum	'	Polygonum hydropiperoides
Persicaria lapathifolia	Polygonum lapathifolium	'	Polygonum lapathifolium
PERSICARIA LONGISETA	Polygonum caespitosum var longisetum	'	Polygonum caespitosum
PERSICARIA MACULOSA	Polygonum persicaria	'	Polygonum persicaria
PERSICARIA ORIENTALIS	Polygonum orientale	'	Polygonum orientale
Persicaria pensylvanica	Polygonum pensylvanicum incl vars eglandulosum & laevigatum	'	Polygonum pensylvanicum in part
Persicaria punctata	Polygonum punctatum incl var majus in part & var confertiflorum	'	Polygonum punctatum incl var confertiflorum
Persicaria robustior	Polygonum punctatum var majus in part	'	Polygonum robustius
Persicaria sagittata	Polygonum sagittatum	'	Polygonum sagittatum
Persicaria setacea	Polygonum hydropiperoides var setaceum	'	Polygonum setaceum
Persicaria virginiana	Polygonum virginianum incl var glaberrimum	'	Polygonum virginianum
PETROHAGIA PROLIFERA	Dianthus prolifer	'	'
PETUNIA × ATKINSIANA	(P × hybrida)	'	'
PETUNIA AXILLARIS	'	'	'
PETUNIA INTEGRIFOLIA	P violacea	'	'
Phacelia bipinnatifida	'	'	'
Phacelia covillei	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Phacelia gilioides	'	'	'
Phacelia hirsuta	'	'	'
Phacelia purshii	'	'	'
Phacelia ranunculacea	'	'	'
PHALARIS ARUNDINACEA	'	'	'
PHALARIS BRACHYSTACHYS	'	'	'
PHALARIS CANARIENSIS	'	'	'
Phalaris caroliniana	'	'	'
PHASEOLUS LUNATUS	as var lunonanus	'	'
Phaseolus polystachios	'	'	'
PHASEOLUS VULGARIS	as var humilis	'	'
Phegopteris hexagonoptera	Thelypteris hexagonoptera	'	'
PHELLODENDRON AMURENSE	not included	'	'
Phemeranthus calycinus	Talinum calycinum	'	'
Phemeranthus parviflorus	Talinum parviflorum	'	'
PHILADELPHUS CORONARIUS	not included	'	'
Philadelphus pubescens var verrucosus	'	'	P pubescens var pubescens
PHLEUM PRATENSE	'	'	'
Phlox amplifolia	'	'	'
Phlox bifida	' incl var stellaria	'	' incl var stellaria
Phlox divaricata	as var laphamii	'	' incl subsp laphamii
PHLOX DRUMMONDII	'	'	'
Phlox glaberrima subsp interior	as var interior & P carolina	'	'
Phlox maculata subsp pyramidalis	as var pyramidalis	'	'
Phlox paniculata	'	'	'
Phlox pilosa subsp fulgida	as var fulgida	'	'
Phlox pilosa subsp ozarkana	as var ozarkana	'	'
Phlox pilosa subsp pilosa	as var pilosa, incl var amplexicaulis	'	'
PHLOX SUBULATA	(')	'	'
Phoradendron leucarpum	P flavescens	'	'
Phragmites australis subsp americanus	P communis var berlandieri in part	P australis in part	'
PHRAGMITES AUSTRALIS subsp AUSTRALIS	P communis var berlandieri in part	P australis in part	'
Phryma leptostachya	'	'	'
Phyllanthus carolinensis	'	'	'
Phyllanthus polygonoides	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
PHYLLOSTACHYS VIRIDIS	not included	not included	P sulphurea
PHYSALIS ACUTIFOLIA	not included	'	'
PHYSALIS ALKEKENGI	not included	'	'
Physalis angulata	' incl var pendula	'	' incl var pendula
PHYSALIS CINERASCENS	P viscosa subsp mollis var cinerascens	'	'
Physalis cordata	P pubescens var glabra	'	'
Physalis grisea	P pubescens var grisea	'	'
Physalis heterophylla	'	'	'
Physalis longifolia	as var subglabrata	' incl var subglabrata	' incl var subglabrata
Physalis missouriensis	'	'	'
PHYSALIS PHILADELPHICA	P ixocarpa	'	as var immaculata
Physalis pubescens	' incl vars glabra (in part) & integrifolia	'	' incl var integrifolia
Physalis pumila	'	' incl subsp hispida	'
Physalis virginiana	'	'	'
Physaria filiformis	Lesquerella filiformis	'	Lesquerella filiformis
PHYSARIA GRACILIS	Lesquerella gracilis	'	Lesquerella gracilis
Physocarpus opulifolius var intermedius	'	'	'
Physostegia angustifolia	'	'	'
Physostegia intermedia	'	'	'
Physostegia virginiana subsp praemorsa	P virginiana var virginiana f virginiana, P virginiana var speciosa, P formosior	'	'
Physostegia virginiana subsp virginiana	P virginiana var virginiana f candida	'	'
Phytolacca americana	'	'	'
PICRIS HIERACIOIDES	not included	'	'
PICRIS RHAGADIOLOIDES	P sprengeriana	'	P spregeriana
Pilea pumila	'	'	'
Pilularia americana	not included	'	'
PINUS BANKSIANA	not included	'	'
Pinus echinata	'	'	'
PINUS NIGRA	'	'	'
PINUS STROBUS	not included	'	'
PINUS TAEDA	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
PINUS VIRGINIANA	'	'	'
PISTIA STRATIOTES	not included	not included	'
PISUM SATIVUM	'	'	'
Planera aquatica	'	'	'
Planodes virginica	Sibara virginica	'	Sibara virginica
Plantago aristata	'	'	'
Plantago cordata	'	'	'
Plantago elongata	P pusilla incl var major	'	P pusilla, incl var major
Plantago heterophylla	'	'	'
PLANTAGO INDICA	not included	'	P psyllium
PLANTAGO LANCEOLATA	' incl var sphaerostachya	'	'
PLANTAGO MAJOR	'	'	'
Plantago patagonica	P purshii & P spinulosa	'	'
PLANTAGO RHODOSPERMA	'	'	'
Plantago rugelii	'	'	'
Plantago virginica	'	'	'
PLANTAGO WRIGHTIANA	'	'	'
Platanthera ciliaris	Habenaria ciliaris	'	'
Platanthera clavellata	Habenaria clavellata	'	'
Platanthera flava var flava	Habenaria flava var flava	'	'
Platanthera flava var herbiola	Habenaria flava var herbiola	'	'
Platanthera lacera	Habenaria lacera	'	'
Platanthera leucophaea	Habenaria leucophaea in part	'	'
Platanthera peramoena	Habenaria paramoena	'	'
Platanthera praeclara	Habenaria leucophaea in part	'	'
Platanthera psychodes	Habenaria psycodes	'	'
Platanus occidentalis	' incl var glabrata	'	'
Pluchea camphorata	'	'	'
Pluchea foetida	'	'	'
POA ANNUA	'	'	'
POA BULBOSA	'	'	'
Poa chapmaniana	'	'	'
POA COMPRESSA	'	'	'
Poa interior	not included	'	P nemoralis subsp interior

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
POA PALUSTRIS	'	'	'
POA PRATENSIS	'	'	'
Poa sylvestris	'	'	'
POA TRIVIALIS	'	'	'
Poa wolfii	'	'	'
Podophyllum peltatum	'	'	'
Pogonia ophioglossoides	'	'	'
Polanisia dodecandra subsp dodecandra	P dodecandra var dodecandra	'	'
Polanisia dodecandra subsp trachysperma	P dodecandra var trachysperma	'	'
Polemonium reptans	'	'	'
Polygala incarnata	'	'	'
Polygala sanguinea	'	'	'
Polygala senega	' incl var latifolia	'	'
Polygala verticillata	' incl vars ambigua, dolichoptera, isocycla & phenostachya	' incl var ambigua	' incl var isocycla & P ambigua
Polygonatum biflorum var commutatum	P biflorum & P canaliculatum	'	'
Polygonum achoreum	'	'	'
Polygonum americanum	Polygonella americana	'	Polygonella americana
POLYGONUM AVICULARE subsp AVICULARE	in part, incl var vegetum in part	'	'
Polygonum aviculare subsp buxiforme	P aviculare var littorale	'	P buxiforme
POLYGONUM AVICULARE subsp DEPRESSUM	in part, incl var vegetum in part	'	Polygonum arenastrum
POLYGONUM AVICULARE subsp NEGLECTUM	in part, incl var vegetum in part	'	P bellardii
Polygonum erectum	'	'	'
Polygonum ramosissimum var prolificum	P prolificum	P ramosissimum in part	'
Polygonum ramosissimum var ramosissimum	'	P ramosissimum in part	'
Polygonum tenue	'	'	'
Polymnia canadensis	'	'	'
Polymnia laevigata	'	'	'
Polypodium polypodioides var michauxianum	'	'	Pleopeltis polypodioides var michauxiana
Polypodium virginianum	P vulgare var virginianum	'	'
Polypremum procumbens	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Polystichum acrostichoides	'	'	'
Polytaenia nuttallii	'	'	'
POMARIA JAMESII	Hoffmanseggia jamesii	'	'
Pontederia cordata	'	'	'
POPULUS × CANADENSIS	P × eugenei	'	'
POPULUS × CANESCENS	P tremula	'	'
POPULUS × JACKII	P × gileadensis	'	'
POPULUS ALBA	'	'	'
Populus deltoides	' incl var missouriensis	' incl subsp monilifera	' incl subsp monilifera
Populus grandidentata	'	'	'
Populus heterophylla	'	'	'
POPULUS NIGRA var ITALICA	'	'	P nigra in part
Populus tremuloides	'	'	'
PORTULACA GRANDIFLORA	'	'	'
Portulaca pilosa	P mundula	'	'
Portulacca oleracea	' incl P neglecta & P retusa	'	'
Potamogeton amplifolius	'	'	'
POTAMOGETON CRISPUS	'	'	'
Potamogeton diversifolius	'	'	'
Potamogeton epihydrus	as var nutallii	'	'
Potamogeton foliosus	' incl var macellus	'	'
Potamogeton illinoensis	'	'	'
Potamogeton nodosus	'	'	'
Potamogeton pectinatus	'	'	Stuckenia pectinata
Potamogeton pulcher	'	'	'
Potamogeton pusillus	'	'	' incl subsp tenuissimus
POTENTILLA ARGENTEA	not included	'	'
Potentilla canadensis	as var villosissima	'	' incl var vilosissima
Potentilla norvegica	'	'	as subsp monospeliensis
POTENTILLA RECTA	'	'	'
Potentilla rivalis	' incl vars millegrana & pentandra	'	'
Potentilla simplex	' incl vars argyrisma & calvescens	'	'
Potentilla supina subsp paradoxa	P nicollettii & P paradoxa	'	P paradoxa
Prenanthes alba	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Prenanthes altissima	as var cinnamomea	'	'
Prenanthes aspera	'	'	'
Prenanthes crepidinea	'	'	'
Prenanthes racemosa	'	'	' incl var multiflora
Primula fassettii	Dodecatheon amethystinum	'	Dodecatheon amethystinum
Primula frenchii	not included	'	Dodecatheon frenchii
Primula meadia	Dodecatheon meadia incl var brachycarpum	'	Dodecatheon meadia incl subsp brachycarpum
PRIMULA VERIS	not included	'	'
PROBOSCIDEA LOUISIANA	P "louisianica"	'	P "louisianica"
Proserpinaca palustris	' incl vars amblyogona & crebra	' incl vars amblyogona & crebra	' incl vars amblyogona & crebra
PROSOPIS GLANDULOSA	not included	'	as var torreyana
Prunella vulgaris var lanceolata	'	'	as subsp lanceolata
PRUNELLA VULGARIS var VULGARIS	'	'	as subsp vulgaris
Prunus americana	'	'	'
Prunus angustifolia	'	'	'
PRUNUS ARMENIACA	not included	'	'
PRUNUS CERASUS	'	'	'
Prunus hortulana	' incl P munsoniana	in part	' incl P munsoniana
PRUNUS MAHALEB	'	'	'
Prunus mexicana	'	'	'
Prunus munsoniana	'	P hortulana in part	'
PRUNUS PERSICA	'	'	'
Prunus serotina	'	'	'
PRUNUS SPINOSA	'	'	'
Prunus virginiana	'	'	'
Pseudognaphalium helleri	not included	'	as subsp helleri
Pseudognaphalium micradenium	Gnaphalium obtusifolium var micradenium	'	P helleri subsp micradenium
Pseudognaphalium obtusifolium	Gnaphalium obtusifolium var obtusifolium	'	'
Ptelea trifoliata	' incl var mollis	'	' incl var mollis

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Pteridium aquilinum	as vars latiusculum & pseudocaudatum	as vars latiusculum & pseudocaudatum	as vars latiusculum & pseudocaudatum
Ptilimnium capillaceum	'	'	'
Ptilimnium costatum	'	'	'
Ptilimnium nuttallii	'	'	'
PUCCINELLIA DISTANS	' incl P airoides	'	'
PUERARIA MONTANA var LOBATA	P lobata	'	'
Pycnanthemum albescens	'	'	'
Pycnanthemum muticum	'	'	'
Pycnanthemum pilosum	'	'	P verticillatum var pilosum
Pycnanthemum tenuifolium	'	'	'
Pycnanthemum torrei	'	'	'
Pycnanthemum virginianum	'	'	'
PYRACANTHA COCCINEA	not included	'	'
Pyrrhopappus carolinianus	'	'	'
PYRUS CALLERYANA	not included	'	'
PYRUS COMMUNIS	'	'	'
QUERCUS ACUTISSIMA	not included	'	'
Quercus alba	'	'	'
Quercus bicolor	'	'	'
Quercus coccinea	' incl var tuberculata	'	' incl var tuberculata
Quercus ellipsoidalis	'	'	'
Quercus falcata	as var falcata	'	'
Quercus imbricaria	'	'	'
Quercus lyrata	'	'	'
Quercus macrocarpa	'	'	' incl var depressa
Quercus marilandica	'	'	'
Quercus michauxii	'	'	'
Quercus muehlenbergii	Q prinoides var acuminata	'	'
Quercus nigra	'	'	'
Quercus pagoda	Q falcata var pagodaefolia	'	'
Quercus palustris	'	'	'
Quercus phellos	'	'	'
Quercus prinoides	as var prinoides	'	'
Quercus rubra	' incl var borealis	'	' incl var ambigua

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Quercus shumardii var acerifolia	Q shumardii var schneckii	Q shumardii in part	Q shumardii var schneckii
Quercus shumardii var shumardii	'	Q shumardii in part	'
Quercus similis	not included	(')	'
Quercus stellata	' incl var margaretta	as var stellata	'
Quercus texana	Q nuttallii	'	'
Quercus velutina	'	'	'
Ranunculus abortivus	' incl var indivisus	'	'
RANUNCULUS ACRIS	'	'	'
Ranunculus aquatilis var diffusus	R longirostris	'	R longirostris
RANUNCULUS ARVENSIS	'	'	'
RANUNCULUS BULBOSUS	'	'	'
Ranunculus cymbalaria	'	'	'
Ranunculus fascicularis	' incl var apricus	'	'
RANUNCULUS FICARIA	not included	as subsp bulbifer	as var bulbifera
Ranunculus flabellaris	'	'	'
Ranunculus harveyi	'	'	'
Ranunculus hispidus var caricetorum	R septentrionalis var caricetorum	'	'
Ranunculus hispidus var hispidus	R hispidus incl var marilandicus	'	'
Ranunculus hispidus var nitidus	R septentrionalis incl var pterocarpus	'	'
Ranunculus laxicaulis	'	'	'
Ranunculus micranthus	' incl var delitescens	'	'
RANUNCULUS PARVIFLORUS	'	'	'
Ranunculus pusillus	'	'	'
Ranunculus recurvatus	'	'	'
RANUNCULUS REPENS	' incl var pleniflorus	'	'
RANUNCULUS SARDOUS	'	'	'
Ranunculus sceleratus	'	'	'
RAPHANUS RAPHANISTRUM	'	'	'
RAPHANUS SATIVUS	'	'	'
RAPISTRUM RUGOSUM	not included	'	'
RATIBIDA COLUMNIFERA	'	'	'
Ratibida pinnata	'	'	'
RATIBIDA TAGETES	'	'	'
RESEDA LUTEA	not included	'	'
RESEDA LUTEOLA	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Rhamnus caroliniana	' incl var mollis	'	Frangula caroliniana
RHAMNUS CATHARTICA	' in part	'	'
RHAMNUS DAVURICA	not included	'	'
RHAMNUS JAPONICA	R cathartica in part	'	'
Rhamnus lanceolata	' incl var glabrata	'	' incl subsp glabra
Rhexia mariana var interior	R interior	'	'
Rhexia mariana var mariana	'	'	'
Rhexia virginica	'	'	'
Rhododendron prinophyllum	R roseum	'	'
RHODOTYPOS SCANDENS	not included	'	'
Rhus aromatica var aromatica	' incl var illinoensis	'	'
Rhus aromatica var serotina	'	'	'
Rhus copallinum var latifolia	R copallina var latifolia	'	as var latifolia
Rhus glabra	'	'	'
RHUS TYPHINA	'	'	'
Rhynchosia difformis	'	'	'
Rhynchosia latifolia	'	'	'
Rhynchospora capillacea	'	'	'
Rhynchospora capitellata	'	'	'
Rhynchospora corniculata	'	'	'
Rhynchospora globularis var recognita	'	'	R recognita
Rhynchospora harveyi	'	'	'
Rhynchospora macrostachya	'	'	'
Rhynchospora scirpoides	not included	not included	'
Ribes americanum	not included	'	'
Ribes cynosbati	'	'	'
Ribes missouriense	' incl var ozarkanum	'	'
Ribes odoratum	'	'	R aureum var villosum
RICINUS COMMUNIS	'	'	'
ROBINIA HISPIDA	'	'	'
ROBINIA PSEUDOACACIA	R "pseudo-acacia"	'	'
Robinia pseudoacacia	R "pseudo-acacia"	'	'
Rorippa aquatica	Armoracia aquatica	'	Neobeckia aquatica
Rorippa curvipes	R obtusa in part	'	' incl var truncata
Rorippa palustris var fernaldiana	R islandica incl vars fernaldiana & hispida	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Rorippa sessiliflora	'	'	'
Rorippa sinuata	'	'	'
RORIPPA SYLVESTRIS	'	'	'
Rorippa tenerrima	R obtusa in part	'	'
Rosa arkansana	as var suffulta	'	as var suffulta
Rosa blanda	'	'	'
ROSA CANINA	' incl var dumetorum	'	'
Rosa carolina subsp carolina	' incl vars grandiflora & villosa	'	R carolina in part
Rosa carolina subsp subserrulata	R virginiana	'	R carolina in part
ROSA GALLICA	' incl var officinalis	'	'
ROSA LUCIEAE	not included	'	R wichuriana
ROSA MULTIFLORA	'	'	'
Rosa palustris	'	'	'
ROSA RUBIGINOSA	R eglanteria, R micrantha	' incl R micrantha	' incl R micrantha
ROSA RUGOSA	'	'	'
Rosa setigera	' incl var tomentosa	'	' incl var tomentosa
ROSA SPINOSISSIMA	'	'	'
ROSA WOODSII	(')	'	'
Rotala ramosior	' incl var interior	'	'
Rubus ablatus	R ostryifolius in part	'	R laudatus in part
Rubus aboriginum	R enslenii in part	'	'
Rubus allegheniensis	' incl var plausus	'	'
Rubus alumnus	R orarius	'	'
Rubus argutus	'	'	'
RUBUS ARMENIACUS	R bifrons & R procerus	'	' incl R bifrons
Rubus celer	R enslenii in part	'	R fecundus
Rubus curtipes	R flagellaris in part	'	'
Rubus deamii	R invisus	'	'
Rubus enslenii	' in part	'	R flagellaris in part
Rubus flagellaris	' in part, incl var occidualis	'	' in part
Rubus frondosus	R pensilvanicus in part	'	'
RUBUS IDAEUS var STRIGOSUS	'	'	'
RUBUS LACINIATUS	'	'	'
Rubus laudatus	R pensilvanicus in part	'	' in part
Rubus leviculus	R enslenii in part	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Rubus meracus	R flagellaris in part	'	'
Rubus missouricus	'	'	'
Rubus mollior	'	'	'
Rubus occidentalis	'	'	'
RUBUS PARVIFOLIUS	not included	'	not included
RUBUS PHOENICOLASIUS	not included	'	'
Rubus plicatifolius	not included	(')	'
Rubus roribaccus	R flagellaris in part	'	'
Rubus rosa	R pensilvanicus in part	'	'
Rubus satis	R flagellaris in part	'	R ithacanus
RUBUS SERISSIMUS	not included	'	R pascuus
Rubus steelei	R flagellaris in part	'	'
Rubus trivialis	'	'	'
Rudbeckia amplexicaulis	Dracopis amplexicaulis	'	Dracopis amplexicaulis
Rudbeckia bicolor	R hirta in part	R hirta in part	R hirta in part
Rudbeckia fulgida var sullivantii	as var speciosa	'	as var speciosa
Rudbeckia fulgida var umbrosa	'	'	' incl var palustris
RUDBECKIA GRANDIFLORA	'	'	'
Rudbeckia hirta	' in part	as var pulcherrima in part	as var pulcherrima in part
Rudbeckia laciniata	'	'	'
RUDBECKIA MAXIMA	'	'	'
Rudbeckia missouriensis	'	'	'
Rudbeckia subtomentosa	'	'	'
Rudbeckia triloba	'	'	'
Ruellia humilis	' incl vars longiflora & expansa	'	'
Ruellia pedunculata	'	'	'
Ruellia strepens	'	'	'
RUMEX ACETOSELLA	'	'	'
Rumex altissimus	'	'	'
RUMEX CONGLOMERATUS	'	'	'
RUMEX CRISPUS	'	'	'
RUMEX CRISTATUS	R orbiculatus	'	'
RUMEX DENTATUS	not included	'	'
Rumex fueginus	R maritimus var fueginus	'	R maritimus var fueginus
Rumex hastatulus	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
RUMEX OBTUSIFOLIUS	'	'	'
RUMEX PATIENTIA	'	'	'
RUMEX PULCHER	'	'	'
RUMEX STENOPHYLLUS	'	'	'
Rumex triangulivalvis	R mexicanus	'	R salicifolius var mexicanus
Rumex verticillatus	'	'	'
Ruppia maritima	as var rostrata	'	R cirrhosa
RUTA GRAVEOLENS	'	'	'
Sabatia angularis	'	'	'
Sabatia brachiata	'	'	'
Sabatia campestris	'	'	'
Sacciolepis striata	not included	'	'
Sagina decumbens	'	'	'
SAGINA PROCUMBENS	not included	'	'
Sagittaria ambigua	'	'	'
Sagittaria brevirostra	S engelmanniana subsp brevirostra	'	'
Sagittaria calycina	S montevidiense subsp calycina	'	'
Sagittaria graminea	as var graminea	'	'
Sagittaria latifolia	'	'	'
Sagittaria platyphylla	S graminea var platyphylla	'	'
Sagittaria rigida	'	'	'
SALICORNIA EUROPAEA	not included	'	S depressa
SALIX × FRAGILIS	S fragilis	'	S fragilis
SALIX × SEPULCRALIS	S babylonica	'	'
SALIX ALBA	' incl vars calva & vitellina	'	'
Salix amygdaloides	'	'	'
Salix caroliniana	'	'	'
Salix discolor	'	'	'
Salix eriocephala	' in part, incl var angustata	'	'
Salix famelica	S rigida in part	'	S lutea
Salix humilis	' incl vars hyoprhysa & microphylla	' incl var tristis	' incl var tristis
Salix interior	'	'	'
Salix nigra	'	'	'
Salix petiolaris	S gracilis var textoris	'	'
SALIX PURPUREA	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Salix sericea	'	'	'
SALSOLA COLLINA	not included	'	'
SALSOLA TRAGUS	S kali incl var tenuifolia	'	'
Salvia azurea var grandiflora	'	'	'
SALVIA COCCINEA	not included	'	'
Salvia lyrata	'	'	'
Salvia reflexa	'	'	'
Sambucus canadensis	' incl var submollis	'	S nigra subsp canadensis
Sambucus pubens	'	'	S racemosa
Samolus parviflorus	'	'	S valerandi subsp parviflorus
Sanguinaria canadensis	' incl var rotundifolia	'	'
Sanicula canadensis	' incl var grandis	'	' incl var grandis
Sanicula odorata	S gregaria	'	'
Sanicula smallii	'	'	'
Sapindus saponaria var drummondii	S drummondii	'	'
SAPONARIA OFFICINALIS	'	'	'
Sassafras albidum	' incl var molle	'	'
Saururus cernuus	'	'	'
SCABIOSA ATROPURPUREA	not included	'	'
Schedonnardus paniculatus	'	'	'
Schizachyrium scoparium	Andropogon scoparius	'	'
Schoenoplectus acutus	Scirpus acutus	'	'
Schoenoplectus americanus	Scirpus olneyi	'	'
SCHOENOPLECTUS CALIFORNICUS	not included	not included	'
Schoenoplectus deltarum	not included	'	'
Schoenoplectus etuberculatus	Scirpus etuberculatus	'	'
Schoenoplectus hallii	Scirpus hallii	'	'
Schoenoplectus heterochaetus	Scirpus heterochaetus	'	'
SCHOENOPLECTUS MUCRONATUS	not included	'	'
Schoenoplectus pungens	Scirpus americanus	' incl var longispicatus	' incl var longispicatus
SCHOENOPLECTUS PURSHIANUS	not included	'	'
Schoenoplectus saximontanus	not included	'	'
Schoenoplectus subterminalis	Scirpus subterminalis	'	'
Schoenoplectus tabernaemontani	Scirpus validus var creber	'	'
Schoenoplectus torreyi	Scirpus torreyi	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
SCILLA SIBERICA	'	'	'
Scirpus atrovirens	as var atrovirens	'	'
Scirpus cyperinus	' incl var pelius	' in part	' in part
Scirpus divaricatus	'	'	'
Scirpus georgianus	S atrovirens var georgianus	'	'
Scirpus pallidus	S atrovirens var pallidus	'	'
Scirpus pedicellatus	not included	'	'
Scirpus pendulus	S lineatus	'	'
Scirpus polyphyllus	'	'	'
Scirpus rubricosus	'	S cyperinus in part	S cyperinus in part
SCLERANTHUS ANNUUS	'	'	'
Scleria ciliata	' incl var elliottii	'	'
Scleria oligantha	'	'	'
Scleria paucíflora	' incl var carolíniana	'	' incl var carolíniana
Scleria reticularis var pubescens	S muhlenbergii	'	S muehlengergii & S reticularis
Scleria triglomerata	' incl S nitida	'	'
Scleria verticillata	'	'	'
SCLEROCHLOA DURA	not included	'	'
Scrophularia lanceolata	'	'	'
Scrophularia marilandica	'	'	'
Scutellaria bushii	'	'	'
Scutellaria elliptica	' incl var hirsuta & S serrata	' incl var hirsuta	' incl var hirsuta
Scutellaria galericulata	S epilobiifolia	'	'
Scutellaria incana	' incl var punctata	'	' incl var punctata & S integrifolia
Scutellaria lateriflora	'	'	'
Scutellaria nervosa	' incl var calvifolia	'	'
Scutellaria ovata	' incl vars rugosa & versicolor	' incl vars bracteata & rugosa	' incl subsp bracteata
Scutellaria parvula var australis	'	'	'
Scutellaria parvula var missouriensis	S parvula var leonardii	'	'
Scutellaria parvula var parvula	'	'	'
SECALE CEREALE	'	'	'
SECURIGERA VARIA	Coronilla varia	'	'
SEDUM ACRE	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
SEDUM ERYTHROSTICTUM	S telephium in part	'	Hylotelephium erythrostictum
Sedum nuttallianum	'	'	'
Sedum pulchellum	'	'	'
SEDUM PURPUREUM	S telephium in part	'	Hylotelephium telephium subsp telephium
SEDUM REFLEXUM	not included	'	'
SEDUM SARMENTOSUM	'	'	'
Sedum ternatum	'	'	'
Selaginella apoda	in part	'	'
Selaginella eclipes	S apoda in part	'	'
Selaginella rupestris	'	'	'
Selenia aurea	'	'	'
SENECIO AMPULLACEUS	'	'	'
SENECIO VULGARIS	'	'	'
Senna marilandica	Cassia marilandica	'	'
Senna obtusifolia	Cassia tora	'	'
SENNA OCCIDENTALIS	Cassia occidentalis	'	'
SESAMUM INDICUM	'	'	S orientale
Sesbania herbacea	S exaltata	'	'
SESBANIA VESICARIA	not included	'	'
SETARIA FABERI	S "faberii"	'	'
SETARIA GLAUCA	'	'	S pumila subsp pumila
SETARIA ITALICA	'	'	'
Setaria parviflora	S geniculata	'	'
SETARIA VERTICILLATA	' incl var ambigua	' incl var ambigua	'
SETARIA VIRIDIS var MAJOR	not included	'	'
SETARIA VIRIDIS var VIRIDIS	'	'	'
SHERARDIA ARVENSIS	'	'	'
Sicyos angulatus	'	'	'
Sida elliottii	'	'	'
SIDA SPINOSA	'	'	'
Sideroxylon lanuginosum subsp oblongifolium	Bumelia lanuginosa var albicans	'	'
Sideroxylon lycioides	Bumelia lycioides	'	as subsp longifolium
Silene antirrhina	'	'	'
Silene caroliniana var wherryi	'	'	as subsp wherryi

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
SILENE CONOIDEA	'	'	'
SILENE CSEREII	S "cserei"	'	'
SILENE DICHOTOMA	'	'	'
SILENE DIOICA	Lychnis dioica	'	'
SILENE GALLICA	'	'	'
SILENE LATIFOLIA	Lychnis alba	'	as subsp alba
Silene nivea	'	'	'
SILENE NOCTIFLORA	'	'	'
Silene regia	'	'	'
Silene stellata	'	'	'
Silene virginica	'	'	'
SILENE VULGARIS	S cucubalus	'	'
Silphium asteriscus	'	'	'
Silphium integrifolium var integrifolium	'	'	' incl var deamii
Silphium integrifolium var laeve	'	'	'
Silphium laciniatum	'	'	'
Silphium perfoliatum	'	'	'
SILPHIUM RADULA	not included	'	'
Silphium terebinthinaceum	'	'	'
SILYBUM MARIANUM	not included	'	'
SINAPIS ALBA	Brassica hirta	'	'
SINAPIS ARVENSIS	Brassica kaber var pinnatifida	'	'
SISYMBRIUM ALTISSIMUM	'	'	'
SISYMBRIUM LOESELII	'	'	'
SISYMBRIUM OFFICINALE	' incl var leiocarpum	'	'
Sisyrinchium albidum	'	'	'
Sisyrinchium angustifolium	S bermudiana	'	'
Sisyrinchium atlanticum	'	'	'
Sisyrinchium campestre	'	'	'
Sium suave	'	'	'
Smallanthus uvedalius	Polymnia uvedalia incl var densipilis	'	'
Smilax bona-nox	' incl var hederaefolia	'	'
Smilax ecirrhata	'	'	'
Smilax glauca	' incl var leurophylla	'	'
Smilax hispida	S tamnoides var hispida	'	S tamnoides
Smilax illinoensis	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Smilax lasioneuron	S herbacea incl var lasioneura	'	S "lasioneura", incl S herbacea
Smilax pulverulenta	'	'	'
Smilax rotundifolia	'	'	'
Solanum americanum	'	'	'
Solanum carolinense	'	'	'
SOLANUM DIMIDIATUM	S torreyi	'	'
SOLANUM DULCAMARA	'	'	'
Solanum elaeagnifolium	'	'	'
SOLANUM LYCOPERSICUM	Lycopersicon esculentum	'	'
SOLANUM NIGRUM	(')	'	'
SOLANUM PSEUDOCAPSICUM	not included	'	'
Solanum ptycanthum	S americanum & S villosum	'	'
SOLANUM ROSTRATUM	'	'	'
SOLANUM SARACHOIDES	'	'	S physalifolium
SOLANUM TRIFLORUM	'	'	'
SOLANUM TUBEROSUM	'	'	'
Solidago altissima var altissima	'	'	'
Solidago altissima var gilvicanescens	S canadensis gilvocanescens in part	'	S canadensis var gilvocanescens
Solidago arguta	' incl vars boottii, neurolepis & strogisa	' incl vars boottii & caroliniana	' incl vars boottii, caroliniana & neurolepis
Solidago buckleyi	'	'	'
Solidago caesia	'	'	'
Solidago canadensis var hargeri	as var gilvocanescens in part	'	'
Solidago drummondii	'	'	S rugosa subsp aspera
Solidago flexicaulis	'	'	'
Solidago gattingeri	'	'	'
Solidago gigantea	' incl var leiophylla	'	'
Solidago hispida	'	'	S bicolor in part
Solidago juncea	'	'	'
Solidago missouriensis subsp fasciculata	' incl var missouriensis	'	as var fasciculata
Solidago nemoralis var longipetiolata	as var decemiflora	as subsp decemiflora	'
Solidago nemoralis var nemoralis	'	as subsp nemoralis	'
Solidago odora	'	'	'
Solidago patula	'	'	' incl var strictula

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Solidago petiolaris	' incl var wardii	'	as var angusta
Solidago radula	' incl vars laeta & stenolepis	'	' incl vars laeta & stenolepis
Solidago rugosa	' incl vars aspera & celtidifolia	' incl subsp aspera	as subsp rugosa
Solidago speciosa var rigidiuscula	'	'	'
Solidago speciosa var speciosa	'	'	'
Solidago ulmifolia	' incl var palmeri	' incl var palmeri	' incl var palmeri
SONCHUS ARVENSIS subsp ARVENSIS	S arvensis var arvensis	'	'
SONCHUS ARVENSIS subsp ULIGINOSUS	S arvensis var glabrescens	'	'
SONCHUS ASPER	'	'	'
SONCHUS OLERACEUS	'	'	'
Sorghastrum nutans	'	'	'
SORGHUM BICOLOR	S cafforum, S caudatum, S dochna incl var technicum, S drummondii, S dura & S sudanense	' incl subsp drummondii	' incl subsp drummondii
SORGHUM HALEPENSE	'	'	'
Sparganium americanum	'	'	'
Sparganium androcladum	'	'	'
Sparganium eurycarpum	'	'	'
Spartina pectinata	'	'	'
SPERGULA ARVENSIS	'	'	'
SPERGULARIA SALINA	not included	'	'
Spermacoce glabra	'	'	'
Spermolepis divaricata	'	'	'
Spermolepis echinata	'	'	'
Spermolepis inermis	'	'	'
SPHAERALCEA FENDLERI	not included	'	'
SPHENOCLEA ZEYLANDICA	not included	'	'
Sphenopholis nitida	'	'	'
Sphenopholis obtusata var major	S intermedia	'	S intermedia
Sphenopholis obtusata var obtusata	' incl var lobata	'	S obtusata
Sphenopholis pensylvanica	Trisetum pensylvanicum	'	'
Spigelia marilandica	'	'	'
SPIRAEA × VANHOUTTEI	not included	'	'
Spiraea alba	'	'	'
SPIRAEA DOUGLASII	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
SPIRAEA JAPONICA	not included	'	'
SPIRAEA PRUNIFOLIA	as var plena	'	'
Spiraea tomentosa	'	'	'
Spiranthes cernua	as var cernua	'	'
Spiranthes lacera	S gracilis	'	'
Spiranthes lucida	'	'	'
Spiranthes magnicamporum	S cernua var ochroleuca	'	'
Spiranthes ovalis var erostellata	S ovalis	'	'
Spiranthes tuberosa	'	'	'
Spiranthes vernalis	'	'	'
Spirodela polyrhiza	'	'	'
SPIRODELA PUNCTATA	S oligorhiza	'	Landoltia punctata
SPOROBOLUS AIROIDES	'	'	'
Sporobolus clandestinus	' incl var canovirens	'	'
Sporobolus compositus var compositrus	S asper incl var pilosus, in part	'	'
Sporobolus compositus var drummondii	S asper var hookeri	'	'
Sporobolus compositus var macer	S asper incl var hookeri, in part	'	'
Sporobolus cryptandrus	'	'	'
Sporobolus heterolepis	'	'	'
SPOROBOLUS INDICUS	S poiretii	'	'
Sporobolus neglectus	as var neglectus	'	'
Sporobolus ozarkanus	S neglectus var ozarkanus	'	S vaginiflorus var ozarkanus
SPOROBOLUS PYRAMIDATUS	'	'	'
Sporobolus vaginiflorus	' incl var inaequalis	'	as var vaginiflorus
Stachys aspera	S hyssopifolia var ambigua	'	'
Stachys hispida	S tenuifolia var hispida	'	S tenuifolia in part
Stachys pilosa	S palustris incl vars nippogensis & phaneropoda	'	' incl var arenicola
Stachys tenuifolia	as var tenuifolia	'	in part
Staphylea trifolia	'	'	'
Steinchisma hians	Panicum hians	Panicum hians	'
STELLARIA GRAMINEA	'	'	'
Stellaria longifolia	'	'	'
STELLARIA MEADIA	'	'	as subsp meadia

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
STELLARIA NEGLECTA	not included	'	S meadia subsp neglecta
STELLARIA PALLIDA	not included	'	S meadia subsp pallida
Stenanthium gramineum	'	'	'
Stenosiphon linifolius	'	Oenothera glaucifolia	'
STENOTAPHRUM SECUNDATUM	not included	'	'
Stipa spartea	'	'	Hesperostipa spartea
Strophostyles helvola var helvola	'	S helvola in part	S helvola in part
Strophostyles helvola var missouriensis	'	S helvola in part	S helvola in part
Strophostyles leiosperma	'	'	'
Strophostyles umbellata	'	'	'
Stylisma pickeringii var pattersonii	not included	'	'
Stylophorum diphyllum	'	'	'
Stylosanthes biflora	'	'	'
Styrax americanus	S "americana"	'	'
Styrax grandifolius	not included	'	'
SUAEDA CALCEOLIFORMIS	S depressa	'	'
Sullivantia sullivantii	S renifolia	'	'
SYMPHORICARPOS ALBUS	(as var laevigatus)	'	as var laevigatus
Symphoricarpos occidentalis	'	'	'
Symphoricarpos orbiculatus	'	'	'
Symphyotrichum × amethystinum	Aster × amethystinus	'	'
Symphyotrichum anomalum	Aster anomalus	'	'
SYMPHYOTRICHUM CILIATUM	Aster brachyactis	'	'
Symphyotrichum cordifolium	Aster cordifolius incl vars moratus & polycephalus	'	'
Symphyotrichum drummondii	Aster drummondii	'	' incl var texanum
Symphyotrichum dumosum var strictior	Aster dumosus vars dodgei & strictior	'	'
Symphyotrichum ericoides	Aster ericoides	' incl var prostratum	'
SYMPHYOTRICHUM FALCATUM subsp COMMUTATUM	Aster commutatus	'	as var commutatum
Symphyotrichum laeve	Aster laevis	'	' incl var geyeri
Symphyotrichum lanceolatum var interior	Aster simplex var interior	'	'
Symphyotrichum lanceolatum var lanceolatum	A simplex incl var ramosissimum	' incl var latifolium	' incl var latifolium
Symphyotrichum lateriflorum	Aster lateriflorus	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Symphyotrichum novae-angliae	Aster novae-angliae	'	'
Symphyotrichum oblongifolium	Aster oblongifolius incl var angustatus	'	'
Symphyotrichum ontarionis	Aster ontarionis	'	'
Symphyotrichum oolentangiense	Aster azureus, incl var poaceus	' incl var poaceum	' incl var poaceum
Symphyotrichum parviceps	Aster parviceps	'	'
Symphyotrichum patens	Aster patens incl var patentissimus	' incl vars gracile & patentissimum	' incl vars gracile & patentissimum
Symphyotrichum pilosum var pilosum	Aster pilosus incl var platyphyllus	S pilosum in part	'
Symphyotrichum pilosum var pringlei	Aster pilosus var demotus	S pilosum in pat	'
Symphyotrichum praealtum	Aster praealtus incl vars angustior & subasper	'	' incl var subasperum
Symphyotrichum puniceum	Aster puniceus var firmus	'	'
Symphyotrichum racemosum var subdumosum	Aster vimineus incl var subdumosus	'	S racemosum
Symphyotrichum sericeum	Aster sericeus	'	'
SYMPHYOTRICHUM SUBULATUM var LIGULATUM	Aster exilis	'	S divaricatum
Symphyotrichum turbinellum	Aster turbinellus	'	'
Symphyotrichum urophyllum	Aster sagittifolius	'	'
SYMPHYTUM OFFICINALE	'	'	'
SYRINGA VULGARIS	'	'	'
Taenidia integerrima	'	'	'
TAGETES ERECTA	'	'	'
TAGETES PATULA	not included	'	'
TALINUM PANICULATUM	not included	'	'
TAMARIX RAMOSISSIMA	T gallica	'	'
TANACETUM BALSAMITA	Chrysanthemum balsamita var tanacetoides	'	'
TANACETUM PARTHENIUM	Chrysanthemum parthenium	'	'
TANACETUM VULGARE	'	'	'
TARAXACUM ERYTHROSPERMUM	'	'	T laevigatum
TARAXACUM OFFICINALE	'	'	'
Taxodium distichum	'	'	'
Tephrosia virginiana	' incl var holosericea	'	'
TETRADIUM DANIELII	not included	'	not included
Teucrium canadense var canadense	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Teucrium canadense var occidentale	'	'	'
Thalia dealbata	'	'	'
Thalictrum dasycarpum	' incl var hypoglaucum	'	'
Thalictrum dioicum	'	'	'
Thalictrum revolutum	'	'	'
Thalictrum thalictroides	Anemonella thalictroides	'	'
Thaspium barbinode	'	'	'
Thaspium trifoliatum var flavum	'	'	as var aureum
Thaspium trifoliatum var trifoliatum	'	'	'
Thelesperma filifolium	T ambiguum & T trifidum	'	as var intermedium
THELESPERMA MEGAPOTAMICUM	'	'	'
Thelypteris palustris var pubescens	'	'	'
THLASPI ALLIACEUM	not included	'	'
THLASPI ARVENSE	'	'	'
TIDESTROMIA LANUGINOSA	'	'	'
Tilia americana var americana	' incl var neglecta	'	'
Tilia americana var heterophylla	T heterophylla	'	' incl var caroliniana
Tipularia discolor	not included	'	'
TIQUILIA NUTTALLII	Coldenia nuttallii	'	'
TORILIS ARVENSIS	T japonica	'	'
TORILIS JAPONICA	(reports are based on T arvensis)	'	'
TORILIS NODOSA	'	'	'
Torreyochloa pallida	Glyceria pallida	'	'
Toxicodendron pubescens	Rhus toxicodendron	'	'
Toxicodendron radicans	Rhus radicans incl var vulgaris	' incl subspp negundo & pubens	' incl subspp negundo, pubens & verrucosum
Trachelospermum difforme	'	'	'
Tradescantia bracteata	'	'	'
Tradescantia ernestiana	'	'	'
Tradescantia longipes	'	'	'
Tradescantia ohiensis	'	'	'
Tradescantia ozarkana	'	'	'
Tradescantia subaspera	'	'	'
Tradescantia tharpii	'	'	'
Tradescantia virginiana	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Tragia betonicifolia	T urticifolia in part	'	'
Tragia cordata	'	'	'
Tragia ramosa	T urticifolia in part	'	'
TRAGOPOGON DUBIUS	'	'	'
TRAGOPOGON PORRIFOLIUS	'	'	'
TRAGOPOGON PRATENSIS	'	'	T lamottei
Trautvetteria caroliniensis	'	'	'
Trepocarpus aethusae	not included	'	'
Triadenum tubulosum	Hypericum tubulosum	'	'
Triadenum walteri	Hypericum walteri	'	'
TRIANTHEMA PORTULACASTRUM	'	'	'
TRIBULUS TERRESTRIS	'	'	'
Trichophorum planifolium	Scirpus verrecundus	'	'
Trichostema brachiatum	Isanthus brachiatus	'	'
Trichostema dichotomum	' incl var puberulum	'	'
Trichostema setaceum	'	'	'
Tridens flavus var chapmanii	T chapmanii	'	'
Tridens flavus var flavus	T flavus	'	'
Tridens muticus var elongatus	T elongatus	'	in part
Tridens strictus	'	'	'
TRIFOLIUM ARVENSE	'	'	'
TRIFOLIUM AUREUM	T agrarium	'	'
TRIFOLIUM CAMPESTRE	'	'	'
Trifolium carolinianum	'	'	'
TRIFOLIUM DUBIUM	'	'	'
TRIFOLIUM HYBRIDUM	as var pratense	'	'
TRIFOLIUM INCARNATUM	'	'	'
TRIFOLIUM PRATENSE	' incl var sativum	'	'
Trifolium reflexum	' incl var glabrum	'	'
TRIFOLIUM REPENS	'	'	'
TRIFOLIUM RESUPINATUM	'	'	'
Trifolium stoloniferum	'	'	'
TRIFOLIUM STRIATUM	not included	'	'
TRIFOLIUM VESCICULOSUM	not included	'	'
Trillium flexipes	'	'	'
Trillium nivale	'	'	'
Trillium pusillum var ozarkanum	'	'	'
Trillium recurvatum	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Trillium sessile	'	'	'
Trillium viride	in part	'	'
Trillium viridescens	T viride in part	'	'
Triodanis biflora	Specularia biflora	'	'
Triodanis holzingeri	Specularia holzingeri	'	'
Triodanis lamprosperma	Specularia lamprosperma	'	'
Triodanis leptocarpa	Specularia leptocarpa	'	'
Triodanis perfoliata	Specularia perfoliata	'	'
Triosteum angustifolium	' incl var eamsii	'	'
Triosteum aurantiacum	as var illinoense	as var illinoense	' incl var illinoense
Triosteum perfoliatum	'	'	'
Triphora trianthophora	'	'	'
Triplasis purpurea	'	'	'
TRIPLEUROSPERMUM INODORUM	Matricaria maritima var agrestis	'	T perforatum
Tripsacum dactyloides	'	'	'
TRISETUM FLAVESCENS	'	'	'
TRITICUM AESTIVUM	'	'	'
TSUGA CANADENIS	not included	'	'
Turritis glabra	Arabis glabra	'	Arabis glabra
Typha × glauca	'	'	'
Typha angustifolia	'	'	'
Typha domingensis	not included	'	'
Typha latifolia	'	'	'
ULMUS × INTERMEDIA	not included	'	U × notha
Ulmus alata	'	'	'
Ulmus americana	'	'	'
Ulmus crassifolia	not included	'	'
ULMUS MINOR	not included	'	U procera
ULMUS PUMILA	'	'	'
Ulmus rubra	'	'	'
Ulmus thomasi	'	'	'
UROCHLOA PLATYPHYLLA	Brachiaria platyphylla	'	'
UROCHLOA RAMOSA	not included	not included	'
UROCHLOA TEXANA	Panicum texanum	'	'
Urtica chamaedryoides	'	'	'
URTICA DIOICA subsp DIOICA	not included	'	'
Urtica dioica subsp gracilis	U dioica var procera	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
URTICA URENS	'	'	'
Utricularia gibba	'	'	'
Utricularia minor	not included	'	'
Utricularia subulata	not included	'	'
Utricularia vulgaris subsp macrorhiza	U vulgaris	'	U macrorhiza
Uvularia grandiflora	'	'	'
Uvularia sessilifolia	'	'	'
VACCARIA HISPANICA	Saponaria vaccaria	'	'
Vaccinium arboreum	' incl var glaucescens	'	'
VACCINIUM CORYMBOSUM	not included	'	'
Vaccinium pallidum	V vacillans incl vars crinitum & missouriense	'	'
Vaccinium stamineum	as vars interius, melanocarpum & neglectum	'	'
VALERIANELLA LOCUSTA	V olitoria	'	'
Valerianella ozarkana	' incl V bushii	'	'
Valerianella radiata	' incl vars fernaldii & missouriensis, V stenocarpa var parviflora	'	'
Vallisneria americana	'	'	'
Veratrum woodii	'	'	'
VERBASCUM BLATTARIA	'	'	'
VERBASCUM LYCHNITIS	not included	'	'
VERBASCUM PHLOMOIDES	not included	'	'
VERBASCUM THAPSUS	'	'	'
VERBENA BONARIENSIS	not included	'	'
Verbena bracteata	'	'	'
VERBENA BRASILIENSIS	not included	'	'
Verbena hastata	'	'	'
Verbena simplex	'	'	'
Verbena stricta	'	'	'
Verbena urticifolia	'	'	'
Verbesina alternifolia	'	'	'
VERBESINA ENCELIOIDES	as var exauriculata	'	' incl subsp exauriculata
Verbesina helianthoides	'	'	'
Verbesina virginica	'	'	'
Vernonia arkansana	V crinita	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Vernonia baldwinii	V "baldwinii" incl var interior	' incl subsp interior	' incl subsp interior
Vernonia fasciculata	'	'	'
Vernonia gigantea	V altissima	'	'
Vernonia missurica	'	'	'
Veronica americana	'	'	'
VERONICA ANAGALLIS-AQUATICA	not included	'	in part
VERONICA ARVENSIS	'	'	'
VERONICA BECCABUNGA	not included	'	'
Veronica catenata	V comosa	'	V anagallis-aquatica in part
VERONICA CHAMAEDRYS	not included	'	'
VERONICA HEDERIFOLIA	not included	'	'
VERONICA LONGIFOLIA	'	'	Pseudolysimachion longifolium
Veronica peregrina	' incl var xalapensis	'	' incl var xalapensis
VERONICA PERSICA	not included	'	'
VERONICA POLITA	'	'	'
VERONICA SCHEEREI	not included	'	not included
VERONICA SERPYLLIFOLIA	'	'	'
VERONICA TEUCRIUM	not included	'	V austriaca subsp teucrium
VERONICA TRIPHYLLOS	not included	'	'
Veronicastrum virginicum	'	'	'
Viburnum bracteatum	not included	'	V molle in part
Viburnum dentatum	as var deamii	'	'
VIBURNUM LANTANA	not included	'	'
Viburnum lentago	'	'	'
Viburnum molle	'	'	in part
VIBURNUM OPULUS var OPULUS	not included	'	'
Viburnum prunifolium	'	'	'
Viburnum rafinesquianum	' incl var affine	'	'
Viburnum recognitum	'	'	'
Viburnum rufidulum	'	'	'
Vicia americana	' incl var truncata	'	'
Vicia caroliniana	'	'	'
VICIA CRACCA	(')	'	'
VICIA GRANDIFLORA	'	'	'
VICIA HIRSUTA	'	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Vicia ludoviciana	'	as subsp leavenworthii	' incl subsp leavenworthii
Vicia minutiflora	'	'	'
VICIA SATIVA subsp NIGRA	as V sativa vars nigra & segatlis	'	'
VICIA VILLOSA subsp VARIA	V dasycarpa	'	'
VICIA VILLOSA subsp VILLOSA	V villosa	'	'
VIGNA UNGUICULATA	V sinensis	'	'
VINCA MAJOR	not included	'	'
VINCA MINOR	'	'	'
Viola affinis	(')	'	'
VIOLA ARVENSIS	(')	'	'
Viola bicolor	V kitaibeliana var rafinesquii	'	'
Viola cucullata	'	'	'
Viola lanceolata	'	'	'
Viola missouriensis	'	'	'
Viola nephrophylla	V papilionacea in part	'	'
Viola pallens	'	'	Viola macloskeyi subsp pallens
Viola palmata	V triloba	'	V triloba incl var dilatata
Viola pedata	' incl var lineariloba	'	'
Viola pedatifida	'	'	'
Viola pubescens	V pensylvanica incl var leiocarpa	'	' incl var scabriuscula
Viola sagittata	'	'	'
Viola sororia	'	'	' incl V affinis
Viola striata	'	'	'
VIOLA TRICOLOR	'	'	'
Viola viarum	'	'	V × viarum
VITEX NEGUNDO	not included	'	'
Vitis aestivalis	' incl var argentifolia	'	'
Vitis cinerea	'	'	'
VITIS LABRUSCANA	'	'	V labrusca
Vitis palmata	'	'	'
Vitis riparia	' incl vars praecox & syrticola	'	'
Vitis rotundifolia	'	'	'
Vitis rupestris	'	'	'
Vitis vulpina	'	'	'
VULPIA BROMOIDES	not included	'	'

Table 2

SCIENTIFIC NAME	Steyermark	Yatskievych	USDA
Vulpia elliotea	Festuca sciurea	'	'
VULPIA MYUROS	Festuca myuros	'	'
Vulpia octoflora var glauca	' incl var tenella	'	'
Vulpia octoflora var octoflora	'	'	'
Wisteria frutescens	as var macrostachya	'	'
WISTERIA SINENSIS	not included	'	'
Wolffia borealis	W punctata	'	'
Wolffia braseliensis	W papulifera	'	'
Wolffia columbiana	'	'	'
Wolffiella gladiata	W floridana	'	'
Woodsia obtusa	'	' incl subsp occidentalis	'
Woodwardia areolata	'	'	'
XANTHIUM SPINOSUM	'	'	'
Xanthium strumarium	X chinense, X inflexum, X italicum, X pensylvanicum, X speciosum, X varians & X wootonii	'	as vars canadense & glabratum
Xyris jupicai	not included	'	'
Xyris torta	'	'	'
Yucca arkansana	Y glauca var mollis	'	'
Yucca glauca	as var glauca	'	'
YUCCA SMALLIANA	'	'	Y flaccida
Zannichellia palustris	as var major	as var major	'
Zanthoxylum americanum	'	'	'
ZEA MAYS	'	'	'
ZELTNERA CALYCOSA	Centaurium calycosum	'	Centaurium calycosum
Zeltnera texensis	Centaurium texense	'	Centaurium texense
Zigadenus elegans subsp glaucus	Z elegans	'	'
Zigadenus nuttallii	'	'	'
ZIZANIA AQUATICA	not included	(Z palustris var palustris)	'
Zizania palustris var interior	Z aquatica var interior	'	'
Zizaniopsis miliacea	'	'	'
Zizia aptera	'	'	'
Zizia aurea	'	'	'

ECOLOGICAL CHECKLIST OF THE MISSOURI FLORA

TABLE 3.
Plant families and wetness ratings of the Missouri flora, modified from Lichvar (2012, 2013) and Lichvar et al (2014) Columns are included for all regions established by Lichvar (2012) that include a portion of Missouri AGP Atlantic & Gulf Coastal Plain, EMP Eastern Mountains and Piedmont, MW Midwest Designations in ALL CAPS are from Lichvar (2012, 2013) and Lichvar et al (2014), those in small case were not ranked and are imputed The MO column provides an aggregate statewide wetness coefficient and rating for each taxon In cases where the assigned wetness clearly does not represent the ecology of a taxon in Missouri, we have provided our assessment of the correct rating within brackets See discussion in text for further explanation

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
ABUTILON THEOPHRASTI	FACU	UPL	FACU	3	FACU	Malvaceae
Acaciella angustissima	upl	upl	upl	5	UPL	Fabaceae
Acalypha deamii	FAC	FACU	FACU	3	FACU	Euphorbiaceae
Acalypha gracilens	FAC	FAC	FACU	5	[UPL]	Euphorbiaceae
Acalypha monococca	FAC	FAC	FACU	5	[UPL]	Euphorbiaceae
Acalypha ostryifolia	upl	upl	upl	5	UPL	Euphorbiaceae
Acalypha rhomboidea	FAC	FACU	FACU	3	FACU	Euphorbiaceae
Acalypha virginica	FACU	FACU	FACU	3	FACU	Euphorbiaceae
ACER GINNALA	upl	upl	upl	5	UPL	Sapindaceae
Acer negundo	FAC	FAC	FAC	0	FAC	Sapindaceae
Acer rubrum var drummondii	FAC	FAC	FAC	-5	[OBL]	Sapindaceae
Acer rubrum var rubrum	FAC	FAC	FAC	0	FAC	Sapindaceae
Acer rubrum var trilobum	FAC	FAC	FAC	0	FAC	Sapindaceae
Acer saccharinum	FAC	FACW	FACW	-3	FACW	Sapindaceae
Acer saccharum subsp floridanum	FACU	FACU	FACU	3	FACU	Sapindaceae
Acer saccharum subsp nigrum	UPL	FACU	FACU	3	FACU	Sapindaceae
Acer saccharum subsp saccharum	FACU	FACU	FACU	3	FACU	Sapindaceae
Acer saccharum subsp schneckii	FACU	FACU	FACU	3	FACU	Sapindaceae
Achillea millefolium	FACU	FACU	FACU	3	FACU	Asteraceae
ACHILLEA PTARMICA	FACU	FACU	FACU	3	FACU	Asteraceae
ACHYRANTHES JAPONICA	upl	upl	upl	5	UPL	Amaranthaceae
Acmella oppositifolia	FACW	FACW	FACW	-3	FACW	Asteraceae
Acmispon americanus	FACU	FACU	FACU	3	FACU	Fabaceae
Aconitum uncinatum	FAC	FAC	FAC	0	FAC	Ranunculaceae
ACORUS CALAMUS	OBL	OBL	OBL	-5	OBL	Acoraceae
Actaea pachypoda	FACU	UPL	FACU	3	FACU	Ranunculaceae
Actaea racemosa	upl	upl	upl	5	UPL	Ranunculaceae
ACTINIDIA CHINENSIS var DELICIOSA	upl	upl	upl	5	UPL	Actinidiaceae
Adiantum capillus-veneris	FACU	FACU	FACU	3	FACU	Pteridaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Adiantum pedatum	FACU	FAC	FACU	3	FACU	Pteridaceae
ADONIS ANNUA	UPL	UPL	UPL	5	UPL	Ranunculaceae
AEGILOPS CYLINDRICA	UPL	UPL	UPL	5	UPL	Poaceae
AESCHYNOMENE INDICA	FACW	FACW	facw	-3	FACW	Fabaceae
AESCHYNOMENE RUDIS	upl	upl	upl	5	UPL	Fabaceae
Aesculus glabra var glabra	FACU	FACU	FAC	3	FACU	Sapindaceae
Aesculus glabra var arguta	FACU	FACU	FAC	3	FACU	Sapindaceae
Aesculus pavia	FACU	FAC	FAC	3	FACU	Sapindaceae
Agalinis aspera	FACU	FACU	FACU	3	FACU	Orobanchaceae
Agalinis auriculata	upl	upl	upl	5	UPL	Orobanchaceae
Agalinis fasciculata	FAC	FAC	FAC	0	FAC	Orobanchaceae
Agalinis gattingeri	upl	upl	upl	5	UPL	Orobanchaceae
Agalinis heterophylla	FACU	FACU	FAC	3	FACU	Orobanchaceae
Agalinis purpurea	FACW	FACW	FACW	-3	FACW	Orobanchaceae
Agalinis skinneriana	FACU	FACU	FACU	3	FACU	Orobanchaceae
Agalinis tenuifolia	FACU	FAC	FACW	0	FAC	Orobanchaceae
Agalinis viridis	upl	upl	upl	5	UPL	Orobanchaceae
Agastache nepetoides	FAC	FACU	FACU	3	FACU	Lamiaceae
Agastache scrophulariifolia	upl	upl	upl	5	UPL	Lamiaceae
Ageratina altissima	FACU	FACU	FACU	3	FACU	Asteraceae
AGERATUM CONYZOIDES	FACU	FACU	FACU	3	FACU	Asteraceae
Agrimonia gryposepala	FACU	FACU	FACU	3	FACU	Rosaceae
Agrimonia parviflora	FAC	FACW	FACW	-3	FACW	Rosaceae
Agrimonia pubescens	upl	upl	upl	5	UPL	Rosaceae
Agrimonia rostellata	FAC	FACU	FACU	3	FACU	Rosaceae
AGROPYRON CRISTATUM	upl	upl	upl	5	UPL	Poaceae
AGROSTEMMA GITHAGO	upl	upl	upl	5	UPL	Caryophyllaceae
AGROSTIS CAPILLARIS	FAC	FAC	FAC	0	FAC	Poaceae
Agrostis elliottiana	FACU	FACU	FACU	3	FACU	Poaceae
AGROSTIS GIGANTEA	FACW	FACW	FACW	-3	FACW	Poaceae
Agrostis hyemalis	FAC	FAC	FAC	0	FAC	Poaceae
Agrostis perennans var aestivalis	FACU	FACU	FAC	-3	[FACW]	Poaceae
Agrostis perennans var perennans	FACU	FACU	FAC	3	FACU	Poaceae
AGROSTIS STOLONIFERA	FACW	FACW	FACW	-3	FACW	Poaceae
AILANTHUS ALTISSIMA	upl	upl	upl	5	UPL	Simaroubaceae
AIRA CARYOPHYLLEA	FAC	FAC	FACU	3	FACU	Poaceae
AIRA ELEGANS	upl	upl	upl	5	UPL	Poaceae
AJUGA REPTANS	upl	upl	upl	5	UPL	Lamiaceae
AKEBIA QUINATA	upl	upl	upl	5	UPL	Lardizabalaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
ALBIZIA JULIBRISSIN	upl	upl	upl	5	UPL	Fabaceae
ALCEA ROSEA	upl	upl	upl	5	UPL	Malvaceae
Alisma gramineum	OBL	OBL	OBL	-5	OBL	Alismataceae
Alisma subcordatum	OBL	OBL	OBL	-5	OBL	Alismataceae
Alisma triviale	OBL	OBL	OBL	-5	OBL	Alismataceae
ALLIARIA PETIOLATA	FACU	FACU	FAC	3	FACU	Brassicaceae
Allium burdickii	facu	facu	facu	3	FACU	Liliaceae
Allium canadense	FACU	FACU	FACU	3	FACU	Liliaceae
ALLIUM CEPA	upl	upl	upl	5	UPL	Liliaceae
Allium cernuum	FACU	FACU	FACU	3	FACU	Liliaceae
Allium mutabile	FACU	FACU	FACU	5	[UPL]	Liliaceae
ALLIUM SATIVUM	upl	upl	upl	5	UPL	Liliaceae
Allium stellatum	upl	upl	upl	5	UPL	Liliaceae
Allium tricoccum	FACU	FACU	FACU	3	FACU	Liliaceae
ALLIUM TUBEROSUM	upl	upl	upl	5	UPL	Liliaceae
ALLIUM VINEALE	FACU	FACU	FACU	3	FACU	Liliaceae
ALNUS GLUTINOSA	FACW	FACW	FACW	-3	FACW	Betulaceae
Alnus serrulata	FACW	OBL	OBL	-5	OBL	Betulaceae
Alopecurus aequalis	OBL	OBL	OBL	-5	OBL	Poaceae
Alopecurus carolinianus	FACW	FACW	FACW	-3	FACW	Poaceae
ALOPECURUS PRATENSIS	FAC	FACW	FACW	-3	FACW	Poaceae
ALYSSUM ALYSSOIDES	upl	upl	upl	5	UPL	Brassicaceae
ALYSSUM DESERTORUM	upl	upl	upl	5	UPL	Brassicaceae
Amaranthus albus	FACU	FACU	FACU	3	FACU	Amaranthaceae
AMARANTHUS ARENICOLA	FACU	UPL	FACU	3	FACU	Amaranthaceae
AMARANTHUS BLITOIDES	FAC	FAC	FACU	3	FACU	Amaranthaceae
AMARANTHUS BLITUM var EMARGINATUS	FACU	FACU	FAC	3	FACU	Amaranthaceae
AMARANTHUS CAUDATUS	upl	upl	upl	5	UPL	Amaranthaceae
AMARANTHUS CRUENTUS	upl	upl	upl	5	UPL	Amaranthaceae
Amaranthus hybridus	upl	upl	upl	5	UPL	Amaranthaceae
AMARANTHUS HYPOCHONDRIACUS	upl	upl	upl	5	UPL	Amaranthaceae
AMARANTHUS PALMERI	FACU	FACU	FACU	3	FACU	Amaranthaceae
AMARANTHUS POWELLII	upl	upl	upl	5	UPL	Amaranthaceae
AMARANTHUS RETROFLEXUS	FAC	FACU	FACU	3	FACU	Amaranthaceae
AMARANTHUS SPINOSUS	FACU	FACU	FACU	3	FACU	Amaranthaceae
AMARANTHUS TRICOLOR	UPL	UPL	UPL	5	UPL	Amaranthaceae
Amaranthus tuberculatus	FACW	FACW	OBL	-3	FACW	Amaranthaceae
AMARANTHUS VIRIDIS	FAC	FAC	FAC	0	FAC	Amaranthaceae
AMBROSIA ACANTHICARPA	upl	upl	upl	5	UPL	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Ambrosia artemisiifolia	FACU	FACU	FACU	3	FACU	Asteraceae
Ambrosia bidentata	upl	upl	upl	5	UPL	Asteraceae
Ambrosia psilostachya	FAC	FAC	FACU	3	FACU	Asteraceae
AMBROSIA TOMENTOSA	upl	upl	upl	5	UPL	Asteraceae
Ambrosia trifida	FAC	FAC	FAC	0	FAC	Asteraceae
Amelanchier arborea	FACU	FAC	FACU	3	FACU	Rosaceae
AMELANCHIER HUMILIS	upl	upl	upl	5	UPL	Rosaceae
Amianthium muscitoxicum	FAC	FAC	FAC	0	FAC	Liliaceae
Ammannia coccinea	OBL	OBL	OBL	-5	OBL	Lythraceae
Ammannia robusta	OBL	OBL	OBL	-5	OBL	Lythraceae
AMMI MAJUS	upl	upl	upl	5	UPL	Apiaceae
AMMOSELINUM BUTLERI	FAC	FAC	FAC	0	FAC	Apiaceae
Amorpha canescens	upl	upl	upl	5	UPL	Fabaceae
Amorpha fruticosa	FACW	FACW	FACW	-3	FACW	Fabaceae
Amorpha nitens	FAC	FAC	FACW	0	FAC	Fabaceae
Ampelopsis arborea	FAC	FACW	FACW	-3	FACW	Vitaceae
AMPELOPSIS BREVIPEDUNCULATA	upl	upl	upl	5	UPL	Vitaceae
Ampelopsis cordata	FAC	FAC	FAC	0	FAC	Vitaceae
Amphiachyris dracunculoides	upl	upl	upl	5	UPL	Asteraceae
Amphicarpaea bracteata	FAC	FAC	FAC	0	FAC	Fabaceae
AMSINCKIA LYCOPSOIDES	upl	upl	upl	5	UPL	Boraginaceae
AMSINCKIA MENZIESII	upl	upl	upl	5	UPL	Boraginaceae
AMSINCKIA TESSELLATA	upl	upl	upl	5	UPL	Boraginaceae
Amsonia ciliata var filifolia	upl	upl	upl	5	UPL	Apocynaceae
Amsonia illustris	FAC	FAC	FAC	0	FAC	Apocynaceae
Amsonia tabernaemontana var salicifolia	FACW	FACW	FACW	-3	FACW	Apocynaceae
Amsonia tabernaemontana var tabernaemontana	FACW	FACW	FACW	-3	FACW	Apocynaceae
ANAGALLIS ARVENSIS	upl	upl	upl	5	UPL	Primulaceae
Anagallis minima	upl	upl	upl	5	UPL	Primulaceae
ANAPHALIS MARGARITACEA	UPL	UPL	UPL	5	UPL	Asteraceae
ANCHUSA AZUREA	upl	upl	upl	5	UPL	Boraginaceae
ANCHUSA OFFICINALIS	upl	upl	upl	5	UPL	Boraginaceae
Andrachne phyllanthoides	upl	upl	upl	5	UPL	Euphorbiaceae
Andropogon gerardii	FAC	FAC	FAC	0	FAC	Poaceae
Andropogon gyrans	FAC	OBL	UPL	5	[UPL]	Poaceae
Andropogon ternarius	FACU	FACU	FACU	3	FACU	Poaceae
Andropogon virginicus	FAC	FACU	FACU	3	FACU	Poaceae
Androsace occidentalis	FACU	FACU	FACU	3	FACU	Primulaceae
Anemone acutiloba	upl	upl	upl	5	UPL	Ranunculaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Anemone americana	upl	upl	upl	5	UPL	Ranunculaceae
Anemone canadensis	FAC	FACW	FACW	-3	FACW	Ranunculaceae
Anemone caroliniana	upl	upl	upl	5	UPL	Ranunculaceae
Anemone cylindrica	upl	upl	upl	5	UPL	Ranunculaceae
Anemone quinquefolia	FACU	FACU	FAC	3	FACU	Ranunculaceae
Anemone virginiana	FACU	FACU	FACU	3	FACU	Ranunculaceae
ANETHUM GRAVEOLENS	upl	upl	upl	5	UPL	Apiaceae
Angelica venenosa	upl	upl	upl	5	UPL	Apiaceae
ANODA CRISTATA	FAC	UPL	FAC	3	FACU	Malvaceae
Antennaria neglecta	UPL	UPL	UPL	5	UPL	Asteraceae
Antennaria parlinii	upl	upl	upl	5	UPL	Asteraceae
ANTHEMIS ARVENSIS	upl	upl	upl	5	UPL	Asteraceae
ANTHEMIS COTULA	FACU	FACU	FACU	3	FACU	Asteraceae
ANTHOXANTHUM ODORATUM	FACU	FACU	FACU	3	FACU	Poaceae
ANTHRISCUS CAUCALIS	upl	upl	upl	5	UPL	Apiaceae
ANTIRRHINUM MAJUS	upl	upl	upl	5	UPL	Plantaginaceae
APERA INTERRUPTA	upl	upl	upl	5	UPL	Poaceae
APERA SPICA-VENTI	upl	upl	upl	5	UPL	Poaceae
APHANES AUSTRALIS	upl	upl	upl	5	UPL	Rosaceae
APHANOSTEPHUS SKIRRHOBASIS	upl	upl	upl	5	UPL	Asteraceae
Apios americana	FACW	FACW	FACW	-3	FACW	Fabaceae
APIUM GRAVEOLENS	upl	upl	upl	5	UPL	Apiaceae
Aplectrum hyemale	FAC	FAC	FAC	0	FAC	Orchidaceae
Apocynum × floribundum	upl	upl	upl	5	UPL	Apocynaceae
Apocynum androsaemifolium	UPL	FACU	UPL	5	UPL	Apocynaceae
Apocynum cannabinum	FACU	FACU	FAC	3	FACU	Apocynaceae
Apocynum sibiricum	FACU	FACU	FAC	3	FACU	Apocynaceae
Aquilegia canadensis	FACU	FAC	FACU	3	FACU	Ranunculaceae
Arabidopsis lyrata	FACU	FACU	FACU	3	FACU	Brassicaceae
ARABIDOPSIS THALIANA	upl	upl	upl	5	UPL	Brassicaceae
Arabis hirsuta	FACU	FACU	FACU	3	FACU	Brassicaceae
ARACHIS HYPOGAEA	upl	upl	upl	5	UPL	Fabaceae
ARALIA ELATA	upl	upl	upl	5	UPL	Araliaceae
Aralia nudicaulis	FACU	FACU	FACU	3	FACU	Araliaceae
Aralia racemosa	FACU	FACU	FACU	3	FACU	Araliaceae
Aralia spinosa	FAC	FAC	FACW	0	FAC	Araliaceae
ARCTIUM MINUS	UPL	FACU	FACU	3	FACU	Asteraceae
ARENARIA SERPYLLIFOLIA	UPL	FAC	FAC	3	FACU	Caryophyllaceae
ARGEMONE ALBIFLORA	upl	upl	upl	5	UPL	Papaveraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
ARGEMONE MEXICANA	upl	upl	upl	5	UPL	Papaveraceae
Argyrochosma dealbata	upl	upl	upl	5	UPL	Pteridaceae
Arisaema dracontium	FACW	FACW	FACW	-3	FACW	Araceae
Arisaema triphyllum	FACW	FACW	FACW	-3	FACW	Araceae
Aristida adscensionis	upl	upl	upl	5	UPL	Poaceae
Aristida basiramea	upl	upl	upl	5	UPL	Poaceae
Aristida desmantha	upl	upl	upl	5	UPL	Poaceae
Aristida dichotoma var curtissii	FACU	UPL	FACU	5	UPL	Poaceae
Aristida dichotoma var dichotoma	FACU	UPL	FACU	5	UPL	Poaceae
Aristida lanosa	upl	upl	upl	5	UPL	Poaceae
Aristida longespica var geniculata	FACU	UPL	FACU	5	UPL	Poaceae
Aristida longespica var longespica	FACU	UPL	FACU	5	UPL	Poaceae
Aristida oligantha	upl	upl	upl	5	UPL	Poaceae
Aristida purpurascens	FACW	FAC	FACU	0	FAC	Poaceae
Aristida ramosissima	upl	upl	upl	5	UPL	Poaceae
Aristolochia serpentaria var hastata	upl	upl	upl	5	UPL	Aristolochiaceae
Aristolochia serpentaria var serpentaria	upl	upl	upl	5	UPL	Aristolochiaceae
Aristolochia tomentosa	upl	upl	upl	5	UPL	Aristolochiaceae
ARMORACIA RUSTICANA	upl	upl	upl	5	UPL	Brassicaceae
Arnoglossum atriplicifolium	upl	upl	upl	5	UPL	Asteraceae
Arnoglossum plantagineum	FACU	FACW	FAC	0	FAC	Asteraceae
Arnoglossum reniforme	upl	upl	upl	5	UPL	Asteraceae
Aronia melanocarpa	FAC	FAC	FACW	0	FAC	Rosaceae
ARRHENATHERUM ELATIUS	FACU	FACU	FACU	3	FACU	Poaceae
ARTEMISIA ABSINTHIUM	upl	upl	upl	5	UPL	Asteraceae
ARTEMISIA ANNUA	FACU	FACU	FACU	3	FACU	Asteraceae
ARTEMISIA BIENNIS	FACU	FACU	FACW	0	FAC	Asteraceae
Artemisia campestris subsp caudata	UPL	UPL	UPL	5	UPL	Asteraceae
ARTEMISIA CARRUTHII	upl	upl	upl	5	UPL	Asteraceae
Artemisia dracunculus	upl	upl	upl	5	UPL	Asteraceae
ARTEMISIA FRIGIDA	upl	upl	upl	5	UPL	Asteraceae
Artemisia ludoviciana var ludoviciana	UPL	UPL	UPL	5	UPL	Asteraceae
Artemisia ludoviciana var mexicana	UPL	UPL	UPL	5	UPL	Asteraceae
ARTEMISIA STELLARIANA	FACU	FACU	FACU	3	FACU	Asteraceae
ARTEMISIA VULGARIS	UPL	UPL	UPL	5	UPL	Asteraceae
ARTHRAXON HISPIDUS	FAC	FAC	FACW	0	FAC	Poaceae
ARUM ITALICUM	upl	upl	upl	3	[FACU]	Araceae
Aruncus dioicus var pubescens	FACU	FACU	FACU	3	FACU	Rosaceae
Arundinaria gigantea	FACW	FACW	FACW	-3	FACW	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
ARUNDO DONAX	FAC	FACU	FACW	0	FAC	Poaceae
Asarum canadense	UPL	FACU	FACU	3	FACU	Aristolochiaceae
Asclepias amplexicaulis	upl	upl	upl	5	UPL	Asclepiadaceae
Asclepias exaltata	UPL	FACU	UPL	5	UPL	Asclepiadaceae
Asclepias hirtella	UPL	UPL	UPL	5	UPL	Asclepiadaceae
Asclepias incarnata	OBL	OBL	OBL	-5	OBL	Asclepiadaceae
Asclepias meadii	upl	upl	upl	5	UPL	Asclepiadaceae
Asclepias perennis	OBL	OBL	OBL	-5	OBL	Asclepiadaceae
Asclepias purpurascens	FACU	FACU	FACU	3	FACU	Asclepiadaceae
Asclepias quadrifolia	upl	upl	upl	5	UPL	Asclepiadaceae
ASCLEPIAS SPECIOSA	FAC	FAC	FAC	0	FAC	Asclepiadaceae
Asclepias stenophylla	upl	upl	upl	5	UPL	Asclepiadaceae
ASCLEPIAS SUBVERTICILLATA	FACU	FACU	FACU	3	FACU	Asclepiadaceae
Asclepias sullivantii	upl	upl	upl	5	UPL	Asclepiadaceae
Asclepias syriaca	UPL	FACU	FACU	3	FACU	Asclepiadaceae
Asclepias tuberosa subsp interior	upl	upl	upl	5	UPL	Asclepiadaceae
Asclepias variegata	FACU	FACU	FACU	3	FACU	Asclepiadaceae
Asclepias verticillata	FACU	FACU	FACU	5	[UPL]	Asclepiadaceae
Asclepias viridiflora	upl	upl	upl	5	UPL	Asclepiadaceae
Asclepias viridis	upl	upl	upl	5	UPL	Asclepiadaceae
Asimina triloba	FAC	FAC	FAC	0	FAC	Annonaceae
ASPARAGUS OFFICINALIS	FACU	FACU	FACU	3	FACU	Liliaceae
ASPARAGUS SPRENGERI	upl	upl	upl	5	UPL	Liliaceae
Asplenium × ebenoides	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium × gravesii	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium bradleyi	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium montanum	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium pinnatifidum	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium platyneuron	FACU	FACU	FACU	3	FACU	Aspleniaceae
Asplenium resiliens	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium rhizophyllum	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium ruta-muraria	upl	upl	upl	5	UPL	Aspleniaceae
Asplenium trichomanes	FAC	FAC	UPL	5	UPL	Aspleniaceae
ASTER TATARICUS	upl	upl	upl	5	UPL	Asteraceae
Astragalus canadensis	FAC	FAC	FAC	0	FAC	Fabaceae
Astragalus crassicarpus var crassicarpus	upl	upl	upl	5	UPL	Fabaceae
Astragalus crassicarpus var trichocalyx	upl	upl	upl	5	UPL	Fabaceae
Astragalus distortus	upl	upl	upl	5	UPL	Fabaceae
Astragalus lotiflorus	upl	upl	upl	5	UPL	Fabaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Astranthium ciliatum	upl	upl	upl	5	UPL	Asteraceae
Athyrium filix-femina	FAC	FAC	FAC	0	FAC	Dryopteridaceae
ATOCION ARMERIA	upl	upl	upl	5	UPL	Caryophyllaceae
ATRIPLEX ARGENTEA	fac	FAC	FAC	0	FAC	Chenopodiaceae
ATRIPLEX HORTENSIS	FACU	UPL	FAC	3	FACU	Chenopodiaceae
ATRIPLEX MICRANTHA	upl	upl	upl	5	UPL	Chenopodiaceae
ATRIPLEX PATULA	FACW	FACW	FACW	-3	FACW	Chenopodiaceae
ATRIPLEX PROSTRATA	FACW	FACW	FAC	0	FAC	Chenopodiaceae
ATRIPLEX ROSEA	FACU	FACU	FACU	3	FACU	Chenopodiaceae
ATRIPLEX TRUNCATA	facu	FACU	FACU	3	FACU	Chenopodiaceae
ATRIPLEX WRIGHTII	upl	upl	upl	5	UPL	Chenopodiaceae
AUBRIETA DELTOIDEA	upl	upl	upl	5	UPL	Brassicaceae
Aureolaria flava var calycosa	upl	upl	upl	5	UPL	Orobanchaceae
Aureolaria flava var flava	upl	upl	upl	5	UPL	Orobanchaceae
Aureolaria grandiflora var pulchra	upl	upl	upl	5	UPL	Orobanchaceae
Aureolaria grandiflora var serrata	upl	upl	upl	5	UPL	Orobanchaceae
Aureolaria pectinata	upl	upl	upl	5	UPL	Orobanchaceae
AVENA FATUA var FATUA	upl	upl	upl	5	UPL	Poaceae
AVENA FATUA var SATIVA	UPL	UPL	UPL	5	UPL	Poaceae
AXYRIS AMARANTHOIDES	upl	upl	upl	5	UPL	Chenopodiaceae
Azolla caroliniana	OBL	OBL	OBL	-5	OBL	Azollaceae
Azolla mexicana	OBL	OBL	OBL	-5	OBL	Azollaceae
BACCHARIS WRIGHTII	facu	facu	facu	3	FACU	Asteraceae
Bacopa rotundifolia	OBL	OBL	OBL	-5	OBL	Plantaginaceae
Baptisia alba var macrophylla	FACU	FACU	FACU	3	FACU	Fabaceae
Baptisia australis var minor	FACU	FACU	FACU	5	[UPL]	Fabaceae
Baptisia bracteata var leucophaea	upl	upl	upl	5	UPL	Fabaceae
BAPTISIA SPHAEROCARPA	upl	upl	upl	5	UPL	Fabaceae
BARBAREA VERNA	upl	upl	upl	5	UPL	Brassicaceae
BARBAREA VULGARIS	FAC	FACU	FAC	3	FACU	Brassicaceae
Bartonia paniculata	OBL	OBL	OBL	-5	OBL	Gentianaceae
Bartonia virginica	FACW	FACW	FACW	-3	FACW	Gentianaceae
BELAMCANDA CHINENSIS	upl	upl	upl	5	UPL	Iridaceae
Berberis canadensis	upl	upl	upl	5	UPL	Berberidaceae
BERBERIS THUNBERGII	UPL	FACU	FACU	3	FACU	Berberidaceae
BERBERIS VULGARIS	UPL	FACU	FACU	3	FACU	Berberidaceae
Berchemia scandens	FAC	FACW	FAC	0	FAC	Rhamnaceae
Bergia texana	OBL	OBL	OBL	-5	OBL	Elatinaceae
Berlandiera texana	upl	upl	upl	5	UPL	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
BERTEROA INCANA	upl	upl	upl	5	UPL	Brassicaceae
Berula erecta	obl	obl	OBL	-5	OBL	Apiaceae
BETA VULGARIS	upl	upl	upl	5	UPL	Chenopodiaceae
Betula nigra	FACW	FACW	FACW	-3	FACW	Betulaceae
BIDENS ALBA var RADIATA	upl	upl	upl	5	UPL	Asteraceae
Bidens aristosa	FACW	FACW	FACW	-3	FACW	Asteraceae
Bidens beckii	obl	OBL	OBL	-5	OBL	Asteraceae
BIDENS BIPINNATA	FAC	FACU	FAC	3	FACU	Asteraceae
Bidens cernua	OBL	OBL	OBL	-5	OBL	Asteraceae
Bidens comosa	FACW	FACW	OBL	-3	FACW	Asteraceae
Bidens connata	FACW	FACW	OBL	-3	FACW	Asteraceae
Bidens discoidea	FACW	FACW	FACW	-3	FACW	Asteraceae
Bidens frondosa	FACW	FACW	FACW	-3	FACW	Asteraceae
Bidens laevis	OBL	OBL	OBL	-5	OBL	Asteraceae
Bidens polylepis	FACW	FACW	FACW	-3	FACW	Asteraceae
BIDENS TRICHOSPERMA	OBL	OBL	OBL	-5	OBL	Asteraceae
Bidens vulgata	OBL	FAC	FACW	0	FAC	Asteraceae
Bignonia capreolata	FAC	FAC	FACW	-3	FACW	Bignoniaceae
Blephilia ciliata	upl	upl	upl	5	UPL	Lamiaceae
Blephilia hirsuta	FACU	FACU	FACU	3	FACU	Lamiaceae
Boechera canadensis	upl	upl	upl	5	UPL	Brassicaceae
Boechera laevigata	upl	upl	upl	5	UPL	Brassicaceae
Boechera missouriensis	upl	upl	upl	5	UPL	Brassicaceae
Boechera shortii	FACU	FACU	UPL	3	FACU	Brassicaceae
Boehmeria cylindrica	FACW	FACW	OBL	-5	OBL	Urticaceae
BOERHAAVIA ERECTA	UPL	UPL	UPL	5	UPL	Nyctaginaceae
Bolboschoenus fluviatilis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Bolboschoenus maritimus subsp paludosus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Boltonia asteroides	FACW	FACW	OBL	-3	FACW	Asteraceae
Boltonia decurrens	obl	obl	obl	-5	OBL	Asteraceae
Boltonia diffusa	FACW	FAC	FACW	-3	FACW	Asteraceae
BOTHRIOCHLOA BLADHII	FACU	FACU	FACU	3	FACU	Poaceae
BOTHRIOCHLOA ISCHAEMUM	upl	upl	upl	5	UPL	Poaceae
Bothriochloa laguroides subsp torreyana	upl	upl	upl	5	UPL	Poaceae
Botrychium biternatum	upl	upl	upl	5	UPL	Ophioglossaceae
Botrychium dissectum	upl	upl	upl	5	UPL	Ophioglossaceae
Botrychium virginianum	upl	upl	upl	5	UPL	Ophioglossaceae
Bouteloua curtipendula	UPL	UPL	UPL	5	UPL	Poaceae
Bouteloua gracilis	upl	upl	upl	5	UPL	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Bouteloua hirsuta	upl	upl	upl	5	UPL	Poaceae
BRACHIARIA ERUCIFORMIS	upl	upl	upl	5	UPL	Poaceae
Brachyelytrum erectum	FACU	FACU	FACU	3	FACU	Poaceae
Bradburia pilosa	upl	upl	upl	5	UPL	Asteraceae
Brasenia schreberi	OBL	OBL	OBL	-5	OBL	Cabombaceae
BRASSICA JUNCEA	UPL	UPL	UPL	5	UPL	Brassicaceae
BRASSICA NAPUS	upl	upl	upl	5	UPL	Brassicaceae
BRASSICA NIGRA	upl	upl	upl	5	UPL	Brassicaceae
BRASSICA RAPA	UPL	UPL	UPL	5	UPL	Brassicaceae
Brickellia eupatorioides var eupatorioides	upl	upl	upl	5	UPL	Asteraceae
Brickellia eupatorioides var texana	upl	upl	upl	5	UPL	Asteraceae
Brickellia grandiflora	upl	upl	upl	5	UPL	Asteraceae
BROMUS COMMUTATUS	upl	upl	upl	5	UPL	Poaceae
BROMUS DIANDRUS	upl	upl	upl	5	UPL	Poaceae
BROMUS HORDACEUS	UPL	UPL	UPL	5	UPL	Poaceae
BROMUS INERMIS	UPL	UPL	FACU	5	UPL	Poaceae
BROMUS JAPONICUS	FACU	FACU	FACU	3	FACU	Poaceae
Bromus latiglumis	FACW	FACW	FACW	-3	FACW	Poaceae
Bromus nottowayanus	upl	upl	upl	5	UPL	Poaceae
Bromus pubescens	FACU	FACU	FACU	5	[UPL]	Poaceae
BROMUS RACEMOSUS	upl	upl	upl	5	UPL	Poaceae
BROMUS SECALINUS	upl	upl	upl	5	UPL	Poaceae
BROMUS SQUARROSUS	upl	upl	upl	5	UPL	Poaceae
BROMUS STERILIS	upl	upl	upl	5	UPL	Poaceae
BROMUS TECTORUM	upl	upl	upl	5	UPL	Poaceae
BROMUS WILLDENOWII	upl	upl	upl	5	UPL	Poaceae
BROUSSONETIA PAPYRIFERA	FACU	UPL	FACU	3	FACU	Moraceae
BRUNNERA MACROPHYLLA	upl	upl	upl	5	UPL	Boraginaceae
Brunnichia ovata	FACW	FACW	FACW	-3	FACW	Polygonaceae
Buchloe dactyloides	FACU	FACU	FACU	3	FACU	Poaceae
Buchnera americana	FAC	FACU	FAC	3	FACU	Orobanchaceae
BUDDLEJA DAVIDII	FACU	FACU	FACU	3	FACU	Scrophulariaceae
BUGLOSSOIDES ARVENSE	upl	upl	upl	5	UPL	Boraginaceae
Bulbostylis capillaris	FAC	FACU	FACU	3	FACU	Cyperaceae
BUPLEURUM ROTUNDIFOLIUM	upl	upl	upl	5	UPL	Apiaceae
Cabomba caroliniana	OBL	OBL	OBL	-5	OBL	Cabombaceae
Calamagrostis canadensis	OBL	FACW	OBL	-5	OBL	Poaceae
Calamagrostis porteri subsp insperata	UPL	UPL	UPL	5	UPL	Poaceae
Calamagrostis stricta subsp inexpansa	FACW	FACW	FACW	-3	FACW	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
CALAMOVILFA LONGIFOLIA	upl	upl	upl	5	UPL	Poaceae
Callicarpa americana	FACU	FACU	FACU	3	FACU	Lamiaceae
CALLICARPA DICHOTOMA	OBL	OBL	[fac]	0	[FAC]	Lamiaceae
Callirhoe alcaeoides	upl	upl	upl	5	UPL	Malvaceae
Callirhoe bushii	upl	upl	upl	5	UPL	Malvaceae
Callirhoe digitata	upl	upl	upl	5	UPL	Malvaceae
Callirhoe involucrata	upl	upl	upl	5	UPL	Malvaceae
Callirhoe triangulata	upl	upl	upl	5	UPL	Malvaceae
Callitriche heterophylla	OBL	OBL	OBL	-5	OBL	Plantaginaceae
Callitriche palustris	OBL	OBL	OBL	-5	OBL	Plantaginaceae
Callitriche terrestris	FACW	FACW	FACW	-3	FACW	Plantaginaceae
Calopogon oklahomensis	upl	upl	upl	3	[FACU]	Orchidaceae
Calopogon tuberosus	OBL	FACW	OBL	-5	OBL	Orchidaceae
Caltha palustris	OBL	OBL	OBL	-5	OBL	Ranunculaceae
CALYCANTHUS FLORIDUS	FACU	FACU	FACU	3	FACU	Calycanthaceae
Calycocarpum lyonii	FACW	FACW	FACW	-3	FACW	Menispermaceae
Calylophus serrulatus	upl	upl	upl	5	UPL	Onagraceae
Calystegia macounii	upl	upl	upl	5	UPL	Convolvulaceae
CALYSTEGIA PUBESCENS	upl	upl	upl	5	UPL	Convolvulaceae
Calystegia sepium	FAC	FAC	FAC	0	FAC	Convolvulaceae
Calystegia silvatica subsp fraterniflora	upl	upl	upl	5	UPL	Convolvulaceae
Calystegia spithamaea	upl	upl	upl	5	UPL	Convolvulaceae
Camassia angusta	upl	upl	upl	5	UPL	Liliaceae
Camassia scilloides	FACW	FAC	FAC	3	[FACU]	Liliaceae
CAMELINA MICROCARPA	FACU	FACU	FACU	3	FACU	Brassicaceae
CAMELINA SATIVA	FACU	UPL	FACU	5	UPL	Brassicaceae
Campanula americana	FAC	FACU	FAC	0	FAC	Campanulaceae
Campanula aparinoides	OBL	OBL	OBL	-5	OBL	Campanulaceae
CAMPANULA RAPUNCULOIDES	upl	upl	upl	5	UPL	Campanulaceae
Campanula rotundifolia	FACU	FACU	FACU	3	FACU	Campanulaceae
Campsis radicans	FAC	FAC	FACU	0	FAC	Bignoniaceae
CANAVALIA ENSIFORMIS	upl	upl	upl	5	UPL	Fabaceae
CANNABIS SATIVA	FACU	FACU	FACU	3	FACU	Cannabaceae
CAPSELLA BURSA-PASTORIS	FACU	FACU	FACU	3	FACU	Brassicaceae
CAPSICUM ANNUUM	upl	upl	upl	5	UPL	Solanaceae
Cardamine bulbosa	OBL	OBL	OBL	-5	OBL	Brassicaceae
Cardamine concatenata	FACU	FACU	FACU	3	FACU	Brassicaceae
Cardamine diphylla	UPL	FACU	FACU	5	UPL	Brassicaceae
Cardamine douglasii	OBL	FACW	FACW	-3	FACW	Brassicaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
CARDAMINE FLEXUOSA	FACU	OBL	FACU	3	FACU	Brassicaceae
CARDAMINE HIRSUTA	FACU	FACU	FACU	3	FACU	Brassicaceae
Cardamine parviflora var arenicola	FACU	FACU	FAC	3	FACU	Brassicaceae
Cardamine pensylvanica	FACW	OBL	FACW	-3	FACW	Brassicaceae
CARDIOSPERMUM HALICACABUM	FAC	FACU	FAC	0	FAC	Sapindaceae
CARDUUS CRISPUS	upl	upl	upl	5	UPL	Asteraceae
CARDUUS NUTANS	UPL	UPL	FACU	5	UPL	Asteraceae
Carex × deamii	upl	upl	upl	5	UPL	Cyperaceae
Carex × subimpressa	obl	obl	OBL	-5	OBL	Cyperaceae
Carex abscondita	FACW	FAC	FACU	0	FAC	Cyperaceae
Carex aggregata	upl	upl	upl	5	UPL	Cyperaceae
Carex alata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex albicans var albicans	FAC	UPL	UPL	5	UPL	Cyperaceae
Carex albicans var australis	FAC	UPL	UPL	5	UPL	Cyperaceae
Carex albolutescens	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex albursina	upl	upl	upl	5	UPL	Cyperaceae
Carex amphibola	FACW	FAC	FAC	0	FAC	Cyperaceae
Carex annectens var annectens	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex annectens var xanthocarpa	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex aquatilis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex arkansana	FACU	FACU	FAC	-3	[FACW]	Cyperaceae
Carex atherodes	obl	OBL	OBL	-5	OBL	Cyperaceae
Carex atlantica	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex aureolensis	facw	facw	facw	-3	FACW	Cyperaceae
Carex austrina	FACU	FACU	FACU	3	FACU	Cyperaceae
Carex bicknellii	FAC	FAC	FACU	3	FACU	Cyperaceae
Carex blanda	FAC	FAC	FAC	0	FAC	Cyperaceae
Carex brevior	OBL	UPL	FAC	0	FAC	Cyperaceae
Carex bromoides	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex bushii	FACW	FACW	FAC	3	[FACU]	Cyperaceae
Carex buxbaumii	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex careyana	upl	upl	upl	5	UPL	Cyperaceae
Carex caroliniana	FACW	FACU	FACW	-3	FACW	Cyperaceae
Carex cephalophora	FAC	FACU	FACU	3	FACU	Cyperaceae
Carex cherokeensis	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex communis	upl	upl	upl	5	UPL	Cyperaceae
Carex comosa	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex complanata	FAC	FACU	FACU	3	FACU	Cyperaceae
Carex conjuncta	FAC	FACW	FACW	-3	FACW	Cyperaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Carex conoidea	FACW	FACU	FACW	-3	FACW	Cyperaceae
Carex corrugata	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex crawei	OBL	FACW	FACW	3	[FACU]	Cyperaceae
CAREX CRAWFORDII	FAC	FAC	FAC	0	FAC	Cyperaceae
Carex crinita	FACW	OBL	OBL	-5	OBL	Cyperaceae
Carex cristatella	FAC	FACW	FACW	-3	FACW	Cyperaceae
Carex crus-corvi	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex cumberlandensis	upl	upl	upl	5	UPL	Cyperaceae
Carex davisii	FAC	FAC	FAC	0	FAC	Cyperaceae
Carex debilis	FACW	FAC	FACW	-3	FACW	Cyperaceae
Carex decomposita	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex digitalis	FACU	UPL	UPL	5	UPL	Cyperaceae
CAREX DOUGLASII	fac	FAC	FAC	0	FAC	Cyperaceae
Carex eburnea	FACU	FACU	FACU	3	FACU	Cyperaceae
CAREX ELEOCHARIS	upl	upl	upl	5	UPL	Cyperaceae
Carex emoryi	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex festucacea	FACW	FAC	FACW	0	FAC	Cyperaceae
Carex fissa	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex flaccosperma	FACW	FAC	FACW	-3	FACW	Cyperaceae
Carex frankii	OBL	OBL	OBL	0	[FAC]	Cyperaceae
Carex gigantea	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex glaucodea	FACW	FAC	FAC	3	[FACU]	Cyperaceae
Carex gracilescens	upl	upl	upl	5	UPL	Cyperaceae
Carex gracillima	FACU	FACU	FACU	3	FACU	Cyperaceae
Carex granularis	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex gravida	FACW	FACW	FACU	0	FAC	Cyperaceae
Carex grayii	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex grisea	FACW	FACU	FAC	0	FAC	Cyperaceae
Carex haydenii	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex hirsutella	upl	upl	upl	5	UPL	Cyperaceae
Carex hirtifolia	upl	upl	upl	5	UPL	Cyperaceae
Carex hitchcockiana	upl	upl	upl	5	UPL	Cyperaceae
Carex hyalinolepis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex hystericina	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex inops subsp heliophila	upl	upl	upl	5	UPL	Cyperaceae
Carex interior	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex intumescens	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex jamesii	upl	upl	upl	5	UPL	Cyperaceae
Carex joorii	OBL	OBL	obl	-5	OBL	Cyperaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Carex lacustris	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex laeviconica	obl	OBL	OBL	-5	OBL	Cyperaceae
Carex laevivaginata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex laxiculmis var copulata	upl	upl	upl	5	UPL	Cyperaceae
Carex laxiculmis var laxiculmis	upl	upl	upl	5	UPL	Cyperaceae
Carex laxiflora	FACU	FACU	UPL	3	FACU	Cyperaceae
Carex leavenworthii	upl	upl	upl	5	UPL	Cyperaceae
Carex leptalea	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex longii	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex louisianica	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex lupuliformis	OBL	FACW	OBL	-5	OBL	Cyperaceae
Carex lupulina	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex lurida	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex meadii	FAC	FAC	FAC	0	FAC	Cyperaceae
Carex mesochorea	FAC	FACU	FACU	3	FACU	Cyperaceae
Carex microdonta	FACW	FACW	FAC	0	FAC	Cyperaceae
Carex missouriensis	[FACW]	[FACW]	[FACW]	-3	[FACW]	Cyperaceae
Carex molesta	FAC	FAC	FAC	0	FAC	Cyperaceae
Carex molestiformis	fac	fac	fac	0	[FAC]	Cyperaceae
Carex muehlenbergii var enervis	upl	upl	upl	5	UPL	Cyperaceae
Carex muehlenbergii var muehlenbergii	upl	upl	upl	5	UPL	Cyperaceae
Carex muskingumensis	OBL	OBL	OBL	-5	OBL	Cyperaceae
CAREX NEBRASCENSIS	obl	OBL	OBL	-5	OBL	Cyperaceae
Carex nigromarginata var floridana	upl	upl	upl	5	UPL	Cyperaceae
Carex nigromarginata var nigromarginata	FACU	UPL	UPL	5	UPL	Cyperaceae
Carex normalis	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex oklahomensis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex oligocarpa	upl	upl	upl	5	UPL	Cyperaceae
Carex opaca	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex oxylepis	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex pellita	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex pensylvanica	upl	upl	upl	5	UPL	Cyperaceae
Carex planispicata	upl	upl	upl	5	UPL	Cyperaceae
CAREX PRAEGRACILIS	facu	UPL	FACW	0	FAC	Cyperaceae
Carex prasina	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex radiata	FAC	FAC	FAC	0	FAC	Cyperaceae
Carex reniformis	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex retroflexa	FACU	FACU	FACU	3	FACU	Cyperaceae
Carex reznicekii	upl	upl	upl	5	UPL	Cyperaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Carex rosea	FACU	FACU	FACU	3	FACU	Cyperaceae
Carex sartwellii	FACW	OBL	FACW	-5	OBL	Cyperaceae
Carex scabrata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex schweinitzii	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex scoparia	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex shortiana	FACW	FAC	FACW	-3	FACW	Cyperaceae
Carex socialis	upl	upl	upl	5	UPL	Cyperaceae
Carex sparganioides	FAC	FACU	FAC	0	FAC	Cyperaceae
Carex sprengelii	FACU	FACU	FAC	0	FAC	Cyperaceae
Carex squarrosa	FACW	FACW	OBL	-3	FACW	Cyperaceae
Carex sterilis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex stipata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex straminea	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex stricta	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex suberecta	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex swanii	UPL	FACU	FACU	3	FACU	Cyperaceae
Carex sychnocephala	facw	facw	FACW	-3	FACW	Cyperaceae
Carex tenera	FACW	FAC	FACW	-3	FACW	Cyperaceae
Carex tetanica	FACW	FACW	FACW	-3	FACW	Cyperaceae
Carex texensis	upl	upl	upl	5	UPL	Cyperaceae
Carex timida	upl	upl	upl	5	UPL	Cyperaceae
Carex tonsa var rugosperma	upl	upl	upl	5	UPL	Cyperaceae
Carex tonsa var tonsa	upl	upl	upl	5	UPL	Cyperaceae
Carex torta	OBL	FACW	OBL	-5	OBL	Cyperaceae
Carex triangularis	FACW	FACW	OBL	-5	OBL	Cyperaceae
Carex tribuloides var sangamonensis	FACW	FACW	OBL	-3	FACW	Cyperaceae
Carex tribuloides var tribuloides	FACW	FACW	OBL	-3	FACW	Cyperaceae
Carex trichocarpa	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex typhina	OBL	FACW	OBL	-5	OBL	Cyperaceae
Carex umbellata	upl	upl	upl	5	UPL	Cyperaceae
Carex vesicaria var monile	OBL	OBL	OBL	-5	OBL	Cyperaceae
Carex virescens	facu	facu	facu	3	FACU	Cyperaceae
Carex vulpinoidea	FACW	OBL	FACW	-3	FACW	Cyperaceae
Carex willdenowii	FACW	UPL	FACU	3	FACU	Cyperaceae
Carex woodii	UPL	UPL	FAC	3	FACU	Cyperaceae
Carpinus caroliniana	FAC	FAC	FAC	0	FAC	Betulaceae
CARUM CARVI	FACU	UPL	FACU	5	UPL	Apiaceae
Carya aquatica	OBL	OBL	OBL	-5	OBL	Juglandaceae
Carya cordiformis	FAC	FACU	FACU	3	FACU	Juglandaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Carya glabra	FACU	FACU	FACU	5	[UPL]	Juglandaceae
Carya illinoinensis	FACU	FACU	FACW	0	FAC	Juglandaceae
Carya laciniosa	FACW	FAC	FACW	-3	FACW	Juglandaceae
Carya ovalis	upl	upl	upl	5	UPL	Juglandaceae
Carya ovata	FACU	FACU	FACU	3	FACU	Juglandaceae
Carya pallida	upl	upl	upl	5	UPL	Juglandaceae
Carya texana	upl	upl	upl	5	UPL	Juglandaceae
Carya tomentosa	upl	upl	upl	5	UPL	Juglandaceae
CASTANEA DENTATA	upl	upl	upl	5	UPL	Fagaceae
CASTANEA MOLLISSIMA	upl	upl	upl	5	UPL	Fagaceae
Castanea pumila var ozarkensis	upl	upl	upl	5	UPL	Fagaceae
Castanea pumila var pumila	upl	upl	upl	5	UPL	Fagaceae
Castilleja coccinea	FAC	FAC	FAC	0	FAC	Orobanchaceae
Castilleja purpurea	upl	upl	upl	5	UPL	Orobanchaceae
Castilleja sessiliflora	upl	upl	upl	5	UPL	Orobanchaceae
CATALPA BIGNONIOIDES	UPL	FACU	FACU	3	FACU	Bignoniaceae
CATALPA OVATA	upl	upl	upl	5	UPL	Bignoniaceae
Catalpa speciosa	FACU	FAC	FACU	3	FACU	Bignoniaceae
Caulophyllum thalictroides	upl	upl	upl	5	UPL	Berberidaceae
Cayaponia quinqueloba	FAC	FAC	fac	0	FAC	Cucurbitaceae
Ceanothus americanus	upl	upl	upl	5	UPL	Rhamnaceae
Ceanothus herbaceus	upl	upl	upl	5	UPL	Rhamnaceae
CELASTRUS ORBICULATUS	FACU	FACU	UPL	5	UPL	Celastraceae
Celastrus scandens	FACU	FACU	FACU	3	FACU	Celastraceae
CELOSIA ARGENTEA	FAC	FACU	UPL	3	FACU	Amaranthaceae
Celtis laevigata	FACW	FACW	FACW	-3	FACW	Ulmaceae
Celtis occidentalis	FACU	FACU	FAC	3	FACU	Ulmaceae
Celtis pumila	upl	upl	upl	5	UPL	Ulmaceae
CENCHRUS CILIARIS	upl	upl	upl	5	UPL	Poaceae
Cenchrus longispinus	FACU	UPL	UPL	5	UPL	Poaceae
Cenchrus spinifex	UPL	UPL	UPL	5	UPL	Poaceae
Centaurea americana	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA CYANUS	FACU	FACU	FACU	3	FACU	Asteraceae
CENTAUREA DIFFUSA	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA DILUTA	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA MELITENSIS	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA NIGRA	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA NIGRESCENS	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA REPENS	upl	upl	upl	5	UPL	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
CENTAUREA SOLSTITIALIS	upl	upl	upl	5	UPL	Asteraceae
CENTAUREA STOEBE subsp MICRANTHOS	upl	upl	upl	5	UPL	Asteraceae
Centrosema virginianum	UPL	UPL	upl	5	UPL	Fabaceae
Cephalanthus occidentalis	OBL	OBL	OBL	-5	OBL	Rubiaceae
Cerastium arvense subsp strictum	FACU	UPL	FACU	3	FACU	Caryophyllaceae
CERASTIUM BRACHYPETALUM	upl	upl	upl	5	UPL	Caryophyllaceae
Cerastium brachypodum	FACU	FACU	FACU	3	FACU	Caryophyllaceae
CERASTIUM DIFFUSUM	upl	upl	upl	5	UPL	Caryophyllaceae
CERASTIUM DUBIUM	upl	upl	upl	5	UPL	Caryophyllaceae
CERASTIUM FONTANUM subsp VULGARE	FAC	FACU	FACU	3	FACU	Caryophyllaceae
CERASTIUM GLOMERATUM	FACU	UPL	FACU	5	UPL	Caryophyllaceae
Cerastium nutans	FACU	FAC	FACU	3	FACU	Caryophyllaceae
CERASTIUM PUMILUM	upl	upl	upl	5	UPL	Caryophyllaceae
CERASTIUM SEMIDECANDRUM	upl	upl	upl	5	UPL	Caryophyllaceae
Cerastium velutinum	FACU	UPL	FACU	3	FACU	Caryophyllaceae
CERATOCEPHALUS TESTICULATUS	upl	upl	upl	5	UPL	Ranunculaceae
Ceratophyllum demersum	OBL	OBL	OBL	-5	OBL	Ceratophyllaceae
Ceratophyllum echinatum	OBL	OBL	OBL	-5	OBL	Ceratophyllaceae
CERATOSTIGMA PLUMBAGINOIDES	upl	upl	upl	5	UPL	Plumbaginaceae
Cercis canadensis	UPL	FACU	FACU	3	FACU	Fabaceae
CHAENOMELES SPECIOSA	upl	upl	upl	5	UPL	Rosaceae
CHAENORRHINUM MINUS	upl	upl	upl	5	UPL	Plantaginaceae
Chaerophyllum procumbens	FACW	FACW	FACW	-3	FACW	Apiaceae
Chaerophyllum tainturieri	FAC	FACW	FACU	0	FAC	Apiaceae
Chaetopappa asteroides	upl	upl	upl	5	UPL	Asteraceae
Chamaecrista fasciculata	FACU	FACU	FACU	3	FACU	Fabaceae
Chamaecrista nictitans	FACU	FACU	FACU	3	FACU	Fabaceae
Chasmanthium latifolium	FAC	FACU	FACW	0	FAC	Poaceae
Chasmanthium laxum	FACW	FAC	FACW	-3	FACW	Poaceae
Chasmanthium sessilifolium	FAC	FAC	FAC	0	FAC	Poaceae
Cheilanthes alabamensis	upl	upl	upl	5	UPL	Pteridaceae
Cheilanthes feei	upl	upl	upl	5	UPL	Pteridaceae
Cheilanthes lanosa	upl	upl	upl	5	UPL	Pteridaceae
Cheilanthes tomentosa	upl	upl	upl	5	UPL	Pteridaceae
CHELIDONIUM MAJUS	UPL	UPL	UPL	5	UPL	Papaveraceae
Chelone glabra	OBL	OBL	OBL	-5	OBL	Plantaginaceae
Chelone obliqua	OBL	OBL	OBL	-5	OBL	Plantaginaceae
CHENOPODIUM ALBUM	FACU	FACU	FACU	3	FACU	Chenopodiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
CHENOPODIUM AMBROSIOIDES	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium berlandieri	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM BOTRYS	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium bushianum	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM CAPITATUM	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM DESICCATUM	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM FICIFOLIUM	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM GLAUCUM	FAC	FACW	FACW	0	FAC	Chenopodiaceae
CHENOPODIUM INCANUM	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium missouriense	FACU	FACU	FACU	3	FACU	Chenopodiaceae
CHENOPODIUM MURALE	FACU	FACU	FACU	3	FACU	Chenopodiaceae
CHENOPODIUM OPULIFOLIUM	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium pallescens	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium praericola	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM PUMILIO	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM RUBRUM	FACW	FACW	OBL	-3	FACW	Chenopodiaceae
Chenopodium simplex	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium standleyanum	upl	upl	upl	5	UPL	Chenopodiaceae
Chenopodium strictum var glaucophyllum	FACU	FACU	FACU	3	FACU	Chenopodiaceae
CHENOPODIUM URBICUM	upl	upl	upl	5	UPL	Chenopodiaceae
CHENOPODIUM WATSONII	upl	upl	upl	5	UPL	Chenopodiaceae
Chionanthus virginicus	FACU	FAC	FAC	3	FACU	Oleaceae
Chloris verticillata	upl	upl	upl	5	UPL	Poaceae
CHLORIS VIRGATA	FACU	FACU	FACU	3	FACU	Poaceae
CHORISPORA TENELLA	upl	upl	upl	5	UPL	Brassicaceae
CICHORIUM INTYBUS	FACU	FACU	FACU	3	FACU	Asteraceae
Cicuta maculata	OBL	OBL	OBL	-5	OBL	Apiaceae
Cinna arundinacea	FACW	FACW	FACW	-3	FACW	Poaceae
Circaea canadensis	FACU	FACU	FACU	3	FACU	Onagraceae
Cirsium altissimum	upl	upl	upl	5	UPL	Asteraceae
CIRSIUM ARVENSE	FACU	FACU	FACU	3	FACU	Asteraceae
CIRSIUM CANESCENS	upl	upl	upl	5	UPL	Asteraceae
Cirsium carolinianum	upl	upl	upl	5	UPL	Asteraceae
Cirsium discolor	UPL	UPL	FACU	5	UPL	Asteraceae
Cirsium muticum	OBL	OBL	OBL	-5	OBL	Asteraceae
CIRSIUM TEXANUM	upl	upl	upl	5	UPL	Asteraceae
Cirsium undulatum	FACU	FAC	FACU	3	FACU	Asteraceae
CIRSIUM VULGARE	FACU	FACU	FACU	3	FACU	Asteraceae
Cissus trifoliata	UPL	UPL	FAC	5	UPL	Vitaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
CITRULLUS LANATUS	UPL	UPL	FACU	3	FACU	Cucurbitaceae
CITRUS TRIFOLIATA	upl	upl	upl	5	UPL	Rutaceae
CLADIUM MARISCUS subsp JAMAICENSE	OBL	obl	obl	-5	OBL	Cyperaceae
Cladrastis kentukea	upl	upl	upl	5	UPL	Fabaceae
CLAYTONIA PERFOLIATA	FACU	FACU	upl	3	FACU	Portulacaceae
Claytonia virginica	FACU	FAC	FACU	3	FACU	Portulacaceae
Clematis catesbyana	FAC	FAC	FAC	0	FAC	Ranunculaceae
Clematis crispa	FACW	FACW	OBL	-3	FACW	Ranunculaceae
Clematis fremontii	upl	upl	upl	5	UPL	Ranunculaceae
Clematis pitcheri	FACU	FACU	FACU	3	FACU	Ranunculaceae
CLEMATIS TERNIFLORA	FACU	FACU	UPL	3	FACU	Ranunculaceae
Clematis versicolor	upl	upl	upl	5	UPL	Ranunculaceae
Clematis viorna	upl	upl	upl	5	UPL	Ranunculaceae
Clematis virginiana	FAC	FAC	FAC	0	FAC	Ranunculaceae
CLEOME HASSLERIANA	upl	upl	upl	5	UPL	Cleomaceae
Cleome serrulata	facu	FACU	FACU	3	FACU	Cleomaceae
CLINOPODIUM ACINOS	upl	upl	upl	5	UPL	Lamiaceae
Clinopodium arkansanum	FACW	FACU	FACW	0	FAC	Lamiaceae
Clitoria mariana	FACU	FACU	FACU	5	[UPL]	Fabaceae
Cocculus carolinus	FAC	FAC	FAC	0	FAC	Menispermaceae
Coeloglossum viride	FAC	FACU	FAC	0	FAC	Orchidaceae
Coelorachis cylindrica	FAC	FAC	FACU	3	FACU	Poaceae
Collinsia verna	FAC	FAC	FACU	3	FACU	Plantaginaceae
Collinsia violacea	upl	upl	upl	5	UPL	Plantaginaceae
Collinsonia canadensis	FAC	FAC	FAC	0	FAC	Lamiaceae
COLLOMIA LINEARIS	UPL	UPL	FACU	5	UPL	Polemoniaceae
Comandra umbellata	UPL	FACU	FACU	5	UPL	Santalaceae
COMMELINA CAROLINIANA	FAC	FAC	FACU	0	FAC	Commelinaceae
COMMELINA COMMUNIS	FAC	FAC	FACU	0	FAC	Commelinaceae
COMMELINA DIFFUSA	FACW	FACW	FACW	-3	FACW	Commelinaceae
Commelina erecta	FACU	FAC	FAC	3	FACU	Commelinaceae
Commelina virginica	FACW	FACW	FACW	-3	FACW	Commelinaceae
CONIUM MACULATUM	FACW	FACW	FACW	-3	FACW	Apiaceae
Conoclinium coelestinum	FAC	FAC	FACW	0	FAC	Asteraceae
CONRINGIA ORIENTALIS	upl	upl	upl	5	UPL	Brassicaceae
CONVALLARIA MAJALIS	upl	upl	upl	5	UPL	Liliaceae
CONVOLVULUS ARVENSIS	upl	upl	upl	5	UPL	Convolvulaceae
Conyza canadensis var canadensis	FACU	FACU	FACU	3	FACU	Asteraceae
Conyza canadensis var pusilla	FACU	FACU	FACU	3	FACU	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Conyza ramosissima	upl	upl	upl	5	UPL	Asteraceae
Corallorhiza odontorhiza	upl	upl	upl	5	UPL	Orchidaceae
Corallorhiza wisteriana	UPL	FAC	FACU	3	FACU	Orchidaceae
Coreopsis grandiflora	upl	upl	upl	5	UPL	Asteraceae
Coreopsis lanceolata	UPL	FACU	FACU	5	UPL	Asteraceae
Coreopsis palmata	upl	upl	upl	5	UPL	Asteraceae
Coreopsis pubescens	FAC	FACU	FACU	3	FACU	Asteraceae
Coreopsis tinctoria	FAC	FAC	FACU	0	FAC	Asteraceae
Coreopsis tripteris	FAC	FAC	FAC	0	FAC	Asteraceae
CORIANDRUM SATIVUM	upl	upl	upl	5	UPL	Apiaceae
Corispermum americanum	FACU	FACU	FACU	3	FACU	Chenopodiaceae
Corispermum pallasii	upl	upl	upl	5	UPL	Chenopodiaceae
Corispermum villosum	upl	upl	upl	5	UPL	Chenopodiaceae
Cornus alternifolia	FAC	FAC	FAC	0	FAC	Cornaceae
Cornus amomum subsp obliqua	FACW	FACW	FACW	-3	FACW	Cornaceae
Cornus drummondii	FAC	FAC	FAC	0	FAC	Cornaceae
Cornus florida	FACU	FACU	FACU	3	FACU	Cornaceae
Cornus foemina subsp foemina	FACW	FACW	FACW	-3	FACW	Cornaceae
Cornus foemina subsp racemosa	FAC	FAC	FAC	0	FAC	Cornaceae
Corydalis aurea subsp aurea	upl	upl	upl	5	UPL	Fumariaceae
Corydalis aurea subsp occidentalis	upl	upl	upl	5	UPL	Fumariaceae
Corydalis crystallina	upl	upl	upl	5	UPL	Fumariaceae
Corydalis flavula	FACU	FACU	FACU	3	FACU	Fumariaceae
Corydalis micrantha subsp australis	upl	upl	upl	5	UPL	Fumariaceae
Corydalis micrantha subsp micrantha	upl	upl	upl	5	UPL	Fumariaceae
Corylus americana	FACU	FACU	FACU	3	FACU	Betulaceae
COSMOS BIPINNATUS	FAC	FACU	FAC	3	FACU	Asteraceae
COSMOS PARVIFLORUS	FAC	FAC	FACU	3	FACU	Asteraceae
COSMOS SULPHUREUS	upl	FACU	FACU	5	UPL	Asteraceae
COTA TINCTORIA	upl	upl	upl	5	UPL	Asteraceae
Cotinus obovatus	upl	upl	upl	5	UPL	Anacardiaceae
COTONEASTER ACUTIFOLIUS	upl	upl	upl	5	UPL	Rosaceae
Crataegus berberifolia	upl	upl	FAC	5	UPL	Rosaceae
Crataegus biltmoreana	upl	upl	upl	5	UPL	Rosaceae
Crataegus calpodendron	upl	upl	upl	5	UPL	Rosaceae
Crataegus coccinioides	upl	upl	upl	5	UPL	Rosaceae
Crataegus collina	upl	upl	upl	5	UPL	Rosaceae
Crataegus crus-galli	FAC	FACU	FAC	3	FACU	Rosaceae
Crataegus fecunda	upl	upl	upl	5	UPL	Rosaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Crataegus gattingeri	upl	upl	upl	5	UPL	Rosaceae
Crataegus lanuginosa	upl	upl	upl	5	UPL	Rosaceae
Crataegus macracantha	upl	upl	upl	5	UPL	Rosaceae
Crataegus margarettae	upl	upl	upl	5	UPL	Rosaceae
Crataegus marshallii	FAC	FAC	FACW	-3	FACW	Rosaceae
Crataegus mollis	FAC	FACU	FAC	3	FACU	Rosaceae
Crataegus neobushii	upl	upl	upl	5	UPL	Rosaceae
Crataegus padifolia	upl	upl	upl	5	UPL	Rosaceae
Crataegus phaenopyrum	FAC	FAC	FAC	0	FAC	Rosaceae
Crataegus pruinosa	upl	upl	upl	5	UPL	Rosaceae
Crataegus reverchonii	upl	upl	upl	5	UPL	Rosaceae
Crataegus rubella	upl	upl	upl	5	UPL	Rosaceae
Crataegus schuettei	upl	upl	upl	5	UPL	Rosaceae
Crataegus sicca	upl	upl	upl	5	UPL	Rosaceae
Crataegus spathulata	FAC	FAC	FACW	0	FAC	Rosaceae
Crataegus succulenta	upl	upl	upl	5	UPL	Rosaceae
Crataegus texana	upl	upl	upl	5	UPL	Rosaceae
Crataegus uniflora	upl	upl	upl	5	UPL	Rosaceae
Crataegus viridis	FACW	FACW	FACW	-3	FACW	Rosaceae
CREPIS CAPILLARIS	UPL	UPL	FACU	5	UPL	Asteraceae
CREPIS PULCHRA	upl	upl	upl	5	UPL	Asteraceae
CREPIS SETOSA	upl	upl	upl	5	UPL	Asteraceae
CREPIS TECTORUM	upl	upl	upl	5	UPL	Asteraceae
Crotalaria sagittalis	upl	upl	upl	5	UPL	Fabaceae
CROTALARIA SPECTABILIS	FACU	FACU	FACU	3	FACU	Fabaceae
Croton capitatus var capitatus	upl	upl	upl	5	UPL	Euphorbiaceae
Croton capitatus var lindheimeri	upl	upl	upl	5	UPL	Euphorbiaceae
Croton glandulosus var septentrionalis	upl	upl	upl	5	UPL	Euphorbiaceae
CROTON LINDHEIMERIANUS	upl	upl	upl	5	UPL	Euphorbiaceae
Croton michauxii	upl	upl	upl	5	UPL	Euphorbiaceae
Croton monanthogynus	upl	upl	upl	5	UPL	Euphorbiaceae
CROTON TEXENSIS	upl	upl	upl	5	UPL	Euphorbiaceae
Croton wildenowii	upl	upl	upl	5	UPL	Euphorbiaceae
CRYPSIS SCHOENOIDES	FACU	FACU	FACU	3	FACU	Poaceae
Cryptotaenia canadensis	FAC	FAC	FAC	0	FAC	Apiaceae
Cubelium concolor	FACU	FACU	FACU	3	FACU	Violaceae
CUCUMIS MELO	upl	upl	upl	5	UPL	Cucurbitaceae
CUCUMIS SATIVUS	upl	upl	upl	5	UPL	Cucurbitaceae
CUCURBITA FOETIDISSIMA	upl	upl	upl	5	UPL	Cucurbitaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO	FAMILY
CUCURBITA PEPO var OVIFERA	upl	upl	upl	5 UPL	Cucurbitaceae
Cucurbita pepo var ozarkana	upl	upl	upl	5 UPL	Cucurbitaceae
Cunila origanoides	upl	upl	upl	5 UPL	Lamiaceae
Cuphea viscosissima	FAC	FAC	FACU	0 FAC	Lythraceae
Cuscuta campestris	upl	upl	upl	5 UPL	Convolvulaceae
Cuscuta cephalanthi	upl	upl	upl	5 UPL	Convolvulaceae
Cuscuta compacta	upl	upl	upl	5 UPL	Convolvulaceae
Cuscuta coryli	upl	upl	upl	5 UPL	Convolvulaceae
Cuscuta cuspidata	facw	facw	facw	-3 [FACW]	Convolvulaceae
Cuscuta glomerata	fac	fac	fac	0 [FAC]	Convolvulaceae
Cuscuta gronovii	fac	fac	fac	0 [FAC]	Convolvulaceae
Cuscuta indecora	fac	fac	fac	0 [FAC]	Convolvulaceae
Cuscuta obtusiflora var glandulosa	upl	upl	upl	5 UPL	Convolvulaceae
Cuscuta pentagona	upl	upl	upl	5 UPL	Convolvulaceae
Cuscuta polygonorum	facw	facw	facw	-3 [FACW]	Convolvulaceae
Cyclachaena xanthifolia	FAC	FAC	FAC	0 FAC	Asteraceae
Cycloloma atriplicifolium	FACU	FACU	FACU	3 FACU	Chenopodiaceae
CYLINDROPUNTIA IMBRICATA	upl	upl	upl	5 UPL	Cactaceae
CYMBALARIA MURALIS	upl	upl	upl	5 UPL	Plantaginaceae
Cynanchum laeve	FAC	FAC	FAC	0 FAC	Asclepiadaceae
CYNANCHUM LOUISEAE	upl	upl	upl	5 UPL	Asclepiadaceae
CYNODON DACTYLON	FACU	FACU	FACU	3 FACU	Poaceae
CYNOGLOSSUM CRETICUM	upl	upl	upl	5 UPL	Boraginaceae
CYNOGLOSSUM OFFICINALE	UPL	UPL	FACU	5 UPL	Boraginaceae
Cynoglossum virginianum	upl	upl	upl	5 UPL	Boraginaceae
Cynosciadium digitatum	FACW	FACW	FACW	-3 FACW	Apiaceae
CYNOSURUS ECHINATUS	UPL	UPL	UPL	5 UPL	Poaceae
Cyperus acuminatus	OBL	OBL	OBL	-5 OBL	Cyperaceae
Cyperus bipartitus	FACW	FACW	OBL	-3 FACW	Cyperaceae
Cyperus compressus	FACW	FAC	FACW	-3 FACW	Cyperaceae
Cyperus croceus	FAC	FACU	FAC	0 FAC	Cyperaceae
Cyperus diandrus	FACW	FACW	FACW	-3 FACW	Cyperaceae
CYPERUS DIFFORMIS	OBL	OBL	OBL	-5 OBL	Cyperaceae
Cyperus echinatus	FAC	FACU	FAC	0 FAC	Cyperaceae
Cyperus erythrorhizos	OBL	FACW	OBL	-3 FACW	Cyperaceae
Cyperus esculentus	FAC	FACW	FACW	-3 FACW	Cyperaceae
Cyperus flavescens var poiformis	OBL	OBL	OBL	-5 OBL	Cyperaceae
CYPERUS FLAVICOMIS	FACW	FAC	FAC	0 FAC	Cyperaceae
CYPERUS FUSCUS	FAC	FAC	FAC	0 FAC	Cyperaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Cyperus grayoides	upl	upl	upl	5	UPL	Cyperaceae
Cyperus hystricinus	upl	upl	upl	5	UPL	Cyperaceae
CYPERUS IRIA	FACW	FACW	FACW	-3	FACW	Cyperaceae
Cyperus lancastriensis	FAC	FAC	FAC	0	FAC	Cyperaceae
Cyperus lupulinus subsp lupulinus	FACU	UPL	FACU	3	FACU	Cyperaceae
Cyperus lupulinus subsp macilentus	FACU	UPL	FACU	3	FACU	Cyperaceae
Cyperus odoratus	FACW	FACW	FACW	-3	FACW	Cyperaceae
Cyperus plukenettii	upl	upl	upl	5	UPL	Cyperaceae
Cyperus polystachyos var texensis	FACW	FACW	FACW	-3	FACW	Cyperaceae
Cyperus pseudovegetus	FACW	FACW	FACW	-3	FACW	Cyperaceae
Cyperus refractus	FAC	FACU	FACU	3	FACU	Cyperaceae
Cyperus retroflexus	upl	upl	upl	5	UPL	Cyperaceae
Cyperus retrofractus	FAC	FACU	FACU	3	FACU	Cyperaceae
CYPERUS RETRORSUS	FACU	FAC	FAC	0	FAC	Cyperaceae
CYPERUS ROTUNDUS	FAC	FAC	FAC	0	FAC	Cyperaceae
Cyperus schweinitzii	UPL	FACU	FACU	3	FACU	Cyperaceae
Cyperus setigerus	FAC	FAC	FAC	0	FAC	Cyperaceae
Cyperus squarrosus	OBL	FACW	OBL	-5	OBL	Cyperaceae
Cyperus strigosus	FACW	FACW	FACW	-3	FACW	Cyperaceae
Cypripedium calceolus var parviflorum	FAC	FACW	FACW	-3	FACW	Orchidaceae
Cypripedium calceolus var pubescens	FAC	FACW	FACW	0	FAC	Orchidaceae
Cypripedium candidum	OBL	OBL	OBL	-5	OBL	Orchidaceae
Cypripedium reginae	facw	FACW	FACW	-3	FACW	Orchidaceae
Cystopteris bulbifera	FAC	FAC	FACW	0	FAC	Dryopteridaceae
Cystopteris protrusa	FAC	FAC	FACW	0	FAC	Dryopteridaceae
Cystopteris tennesseensis	upl	upl	upl	5	UPL	Dryopteridaceae
Cystopteris tenuis	upl	upl	upl	5	UPL	Dryopteridaceae
DACTYLIS GLOMERATA	FACU	FACU	FACU	3	FACU	Poaceae
Dalea candida	upl	upl	upl	5	UPL	Fabaceae
Dalea enneandra	upl	upl	upl	5	UPL	Fabaceae
Dalea gattingeri	upl	upl	upl	5	UPL	Fabaceae
Dalea leporina	UPL	UPL	FACU	5	UPL	Fabaceae
Dalea multiflora	upl	upl	upl	5	UPL	Fabaceae
Dalea purpurea	upl	upl	upl	5	UPL	Fabaceae
DALEA VILLOSA	upl	upl	upl	5	UPL	Fabaceae
Danthonia spicata	upl	upl	upl	5	UPL	Poaceae
Dasistoma macrophyllum	FAC	FACU	FACU	3	FACU	Orobanchaceae
DATURA INOXIA	UPL	FACU	FACU	5	UPL	Solanaceae
DATURA STRAMONIUM	upl	upl	upl	5	UPL	Solanaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
DATURA WRIGHTII	UPL	FACU	FACU	5	UPL	Solanaceae
DAUCUS CAROTA	UPL	UPL	UPL	5	UPL	Apiaceae
Daucus pusillus	upl	upl	upl	5	UPL	Apiaceae
Decodon verticillatus	OBL	OBL	OBL	-5	OBL	Lythraceae
DELPHINIUM AJACIS	upl	upl	upl	5	UPL	Ranunculaceae
Delphinium carolinianum subsp carolinianum	upl	upl	upl	5	UPL	Ranunculaceae
Delphinium carolinianum subsp virescens	upl	upl	upl	5	UPL	Ranunculaceae
DELPHINIUM CONSOLIDA	upl	upl	upl	5	UPL	Ranunculaceae
Delphinium exaltatum	upl	upl	upl	5	UPL	Ranunculaceae
Delphinium treleasei	upl	upl	upl	5	UPL	Ranunculaceae
Delphinium tricorne	upl	upl	upl	5	UPL	Ranunculaceae
Dennstaedtia punctilobula	UPL	FACU	UPL	5	UPL	Dennstaedtiaceae
Deparia acrostichoides	FAC	FAC	FAC	0	FAC	Dryopteridaceae
Descurainia pinnata subsp brachycarpa	upl	upl	upl	5	UPL	Brassicaceae
Descurainia pinnata subsp pinnata	upl	upl	upl	5	UPL	Brassicaceae
DESCURAINIA SOPHIA	upl	upl	upl	5	UPL	Brassicaceae
Desmanthus illinoensis	FAC	FAC	FACU	3	FACU	Fabaceae
DESMANTHUS LEPTOLOBUS	upl	upl	upl	5	UPL	Fabaceae
Desmodium × humifusum	upl	upl	upl	5	UPL	Fabaceae
Desmodium canadense	FAC	FAC	FACU	3	FACU	Fabaceae
Desmodium canescens	upl	upl	upl	5	UPL	Fabaceae
Desmodium ciliare	upl	upl	upl	5	UPL	Fabaceae
Desmodium cuspidatum	upl	upl	upl	5	UPL	Fabaceae
Desmodium glabellum	upl	upl	upl	5	UPL	Fabaceae
Desmodium illinoense	upl	upl	upl	5	UPL	Fabaceae
Desmodium laevigatum	upl	upl	upl	5	UPL	Fabaceae
Desmodium marilandicum	upl	upl	upl	5	UPL	Fabaceae
Desmodium nuttallii	upl	upl	upl	5	UPL	Fabaceae
Desmodium obtusum	upl	upl	upl	5	UPL	Fabaceae
Desmodium ochroleucum	upl	upl	upl	5	UPL	Fabaceae
Desmodium paniculatum	FACU	FACU	FACU	3	FACU	Fabaceae
Desmodium perplexum	upl	upl	upl	5	UPL	Fabaceae
Desmodium rotundifolium	upl	upl	upl	5	UPL	Fabaceae
Desmodium sessilifolium	upl	upl	upl	5	UPL	Fabaceae
Desmodium strictum	upl	upl	upl	5	UPL	Fabaceae
Desmodium viridiflorum	upl	upl	upl	5	UPL	Fabaceae
DIANTHUS ARMERIA	UPL	UPL	UPL	5	UPL	Caryophyllaceae
DIANTHUS BARBATUS	upl	upl	upl	5	UPL	Caryophyllaceae
DIANTHUS DELTOIDES	UPL	UPL	FACU	5	UPL	Caryophyllaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
DIANTHUS PLUMARIUS	upl	upl	upl	5	UPL	Caryophyllaceae
DIAPERIA PROLIFERA	upl	upl	upl	5	UPL	Asteraceae
Diarrhena americana	upl	upl	upl	3	[FACU]	Poaceae
Diarrhena obovata	FAC	FACU	FAC	3	FACU	Poaceae
Dicentra canadensis	upl	upl	upl	5	UPL	Fumariaceae
Dicentra cucullaria	upl	upl	upl	5	UPL	Fumariaceae
Dichanthelium angustifolium	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium annulum	FAC	FAC	FAC	0	FAC	Poaceae
Dichanthelium ashei	FAC	FACU	FAC	3	FACU	Poaceae
Dichanthelium bicknellii	FACU	FACU	FAC	3	FACU	Poaceae
Dichanthelium boscii	upl	upl	upl	5	UPL	Poaceae
Dichanthelium clandestinum	FACW	FAC	FACW	-3	FACW	Poaceae
Dichanthelium columbianum	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium commonsianum	FAC	FACU	FAC	3	FACU	Poaceae
Dichanthelium commutatum var commutatum	FAC	FACU	FAC	3	FACU	Poaceae
Dichanthelium depauperatum	upl	upl	upl	5	UPL	Poaceae
Dichanthelium dichotomum var barbulatum	FAC	FAC	FAC	5	[UPL]	Poaceae
Dichanthelium dichotomum var dichotomum	FAC	FAC	FAC	5	[UPL]	Poaceae
Dichanthelium dichotomum var yadkinense	FAC	FAC	FAC	0	FAC	Poaceae
Dichanthelium implicatum	FAC	FAC	FAC	0	FAC	Poaceae
Dichanthelium joorii	FAC	FACU	FAC	3	FACU	Poaceae
Dichanthelium lanuginosum	FAC	FAC	FAC	3	[FACU]	Poaceae
Dichanthelium latifolium	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium laxiflorum	FAC	FACU	FACU	3	FACU	Poaceae
Dichanthelium leibergii	facu	FACU	FACU	3	FACU	Poaceae
Dichanthelium lindheimeri	FAC	FAC	FAC	0	FAC	Poaceae
Dichanthelium linearifolium var linearifolium	upl	upl	upl	5	UPL	Poaceae
Dichanthelium longiligulatum	upl	upl	upl	5	UPL	Poaceae
Dichanthelium malacophyllum	upl	upl	upl	5	UPL	Poaceae
Dichanthelium microcarpon	FAC	FAC	FAC	0	FAC	Poaceae
Dichanthelium nitidum	FAC	FAC	FAC	0	FAC	Poaceae
Dichanthelium oligosanthes var oligosanthes	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium oligosanthes var scribnerianum	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium perlongum	upl	upl	upl	5	UPL	Poaceae
Dichanthelium polyanthes	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium praecocius	upl	upl	upl	5	UPL	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Dichanthelium ravenelii	FACU	FACU	FAC	3	FACU	Poaceae
Dichanthelium scoparium	FACW	FACW	FACW	-3	FACW	Poaceae
Dichanthelium sphaerocarpon	FACU	FACU	FACU	3	FACU	Poaceae
Dichanthelium villosissimum	upl	upl	upl	5	UPL	Poaceae
Dichanthelium werneri	upl	upl	upl	5	UPL	Poaceae
DICHELOSTEMMA CONGESTUM	upl	upl	upl	5	UPL	Liliaceae
DICHONDRA CAROLINENSIS	FAC	FACW	FAC	0	FAC	Convolvulaceae
Diclíptera brachiata	FACW	FACW	FACW	-3	FACW	Acanthaceae
DICTAMNUS ALBUS	upl	upl	upl	5	UPL	Rutaceae
Didiplis diandra	OBL	OBL	OBL	-5	OBL	Lythraceae
DIGITARIA CILIARIS	FACU	FAC	FACU	3	FACU	Poaceae
Digitaria cognata	upl	upl	upl	5	UPL	Poaceae
Digitaria filiformis	upl	upl	upl	5	UPL	Poaceae
DIGITARIA ISCHAEMUM	UPL	UPL	FACU	3	FACU	Poaceae
DIGITARIA SANGUINALIS	FACU	FACU	FACU	3	FACU	Poaceae
DIGITARIA VIOLASCENS	upl	upl	FAC	5	UPL	Poaceae
Diodia teres	FACU	UPL	FACU	5	UPL	Rubiaceae
Diodia virginiana	FACW	FACW	FACW	-3	FACW	Rubiaceae
DIOSCOREA OPPOSITIFOLIA	upl	upl	upl	5	UPL	Dioscoreaceae
Dioscorea quaternata	upl	upl	upl	5	UPL	Dioscoreaceae
Dioscorea villosa	FACW	FAC	FAC	0	FAC	Dioscoreaceae
Diospyros virginiana	FAC	FAC	FAC	0	FAC	Ebenaceae
Diplazium pycnocarpon	FAC	FAC	FACU	0	FAC	Dryopteridaceae
DIPLOTAXIS MURALIS	upl	upl	upl	5	UPL	Brassicaceae
DIPSACUS FULLONUM	FACU	FACU	FACU	3	FACU	Dipsacaceae
DIPSACUS LACINIATUS	FACU	FACU	UPL	3	FACU	Dipsacaceae
Dirca palustris	FACU	FAC	FAC	0	FAC	Thymelaeaceae
Distichlis spicata var spicata	OBL	FACW	FACW	-3	FACW	Poaceae
DISTICHLIS SPICATA var STRICTA	OBL	FACW	FACW	3	[FACU]	Poaceae
Doellingeria umbellata var pubens	FACW	FACW	FACW	-3	FACW	Asteraceae
Draba aprica	upl	upl	upl	5	UPL	Brassicaceae
Draba brachycarpa	upl	upl	upl	5	UPL	Brassicaceae
Draba cuneifolia	upl	upl	upl	5	UPL	Brassicaceae
Draba reptans	upl	upl	upl	5	UPL	Brassicaceae
DRABA VERNA	upl	upl	upl	5	UPL	Brassicaceae
DRACOCEPHALUM PARVIFLORUM	FACU	FACU	FACU	3	FACU	Lamiaceae
Drymocallis arguta	upl	upl	upl	5	UPL	Rosaceae
Dryopteris carthusiana	FACW	FAC	FACW	-3	FACW	Dryopteridaceae
Dryopteris celsa	FAC	OBL	OBL	-3	FACW	Dryopteridaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Dryopteris cristata	OBL	FACW	OBL	-5	OBL	Dryopteridaceae
Dryopteris goldiana	FAC	FAC	FAC	0	FAC	Dryopteridaceae
Dryopteris intermedia	FACU	FACU	FAC	3	FACU	Dryopteridaceae
Dryopteris marginalis	FACU	FACU	FACU	3	FACU	Dryopteridaceae
DUCHESNEA INDICA	FACU	FACU	FACU	3	FACU	Rosaceae
Dulichium arundinaceum	OBL	OBL	OBL	-5	OBL	Cyperaceae
Dyssodia papposa	upl	upl	upl	5	UPL	Asteraceae
Echinacea angustifolia	upl	upl	upl	5	UPL	Asteraceae
Echinacea pallida	upl	upl	upl	5	UPL	Asteraceae
Echinacea paradoxa	upl	upl	upl	5	UPL	Asteraceae
Echinacea purpurea	upl	upl	upl	5	UPL	Asteraceae
Echinacea simulata	upl	upl	upl	5	UPL	Asteraceae
ECHINOCHLOA COLONUM	FACW	FACW	FACW	-3	FACW	Poaceae
ECHINOCHLOA CRUSGALLI	FACW	FAC	FACW	0	FAC	Poaceae
ECHINOCHLOA CRUS-PAVONIS var MACERA	OBL	FACW	FACW	-5	OBL	Poaceae
Echinochloa muricata	FACW	FACW	OBL	-5	OBL	Poaceae
Echinochloa walteri	OBL	FACW	OBL	-5	OBL	Poaceae
Echinocystis lobata	FACW	FAC	FACW	0	FAC	Cucurbitaceae
Echinodorus berteroi	OBL	OBL	OBL	-5	OBL	Alismataceae
Echinodorus cordifolius	OBL	OBL	OBL	-5	OBL	Alismataceae
Echinodorus tenellus	OBL	OBL	OBL	-5	OBL	Alismataceae
ECHIUM VULGARE	upl	upl	upl	5	UPL	Boraginaceae
Eclipta prostrata	FACW	FAC	FACW	-3	FACW	Asteraceae
EGERIA DENSA	OBL	OBL	OBL	-5	OBL	Hydrocharitaceae
EICHHORNIA CRASSIPES	OBL	OBL	OBL	-5	OBL	Pontederiaceae
ELAEAGNUS ANGUSTIFOLIA	FACU	FACU	FACU	3	FACU	Elaeagnaceae
ELAEAGNUS UMBELLATA	upl	upl	upl	5	UPL	Elaeagnaceae
Elatine triandra	obl	obl	obl	-5	OBL	Elatinaceae
Eleocharis acicularis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis atropurpurea	FACW	FACW	FACW	-3	FACW	Cyperaceae
Eleocharis compressa var acutisquamata	FACW	OBL	FACW	-3	FACW	Cyperaceae
Eleocharis compressa var compressa	FACW	OBL	FACW	-3	FACW	Cyperaceae
Eleocharis elliptica	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis engelmannii	FACW	FACW	FACW	-3	FACW	Cyperaceae
Eleocharis equisetoides	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis erythropoda	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis lanceolata	FACW	FACW	FACW	-3	FACW	Cyperaceae
Eleocharis macrostachya	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis obtusa	OBL	OBL	OBL	-5	OBL	Cyperaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Eleocharis ovata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis palustris	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis parvula	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis quadrangulata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis tenuis var atrata	FACW	FACW	FACW	-3	FACW	Cyperaceae
Eleocharis verrucosa	FACW	FACW	FACW	-3	FACW	Cyperaceae
Eleocharis wolfii	OBL	OBL	OBL	-5	OBL	Cyperaceae
Eleocharis xyridiformis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Elephantopus carolinianus	FACU	FACU	FAC	3	FACU	Asteraceae
ELEUSINE INDICA	FACU	FACU	FACU	3	FACU	Poaceae
ELEUSINE TRISTACHYA	upl	upl	upl	5	UPL	Poaceae
Ellisia nyctelea	FAC	FACU	FAC	3	FACU	Hydrophyllaceae
Elodea canadensis	OBL	OBL	OBL	-5	OBL	Hydrocharitaceae
Elodea nuttallii	OBL	OBL	OBL	-5	OBL	Hydrocharitaceae
Elymus canadensis	FAC	FACU	FACU	3	FACU	Poaceae
Elymus churchii	upl	upl	upl	5	UPL	Poaceae
Elymus curvatus	FAC	FACW	FACW	0	FAC	Poaceae
ELYMUS ELONGATUS subsp PONTICUS	upl	upl	upl	5	UPL	Poaceae
Elymus glabriflorus	FAC	FACW	FACW	0	FAC	Poaceae
Elymus glaucus	facu	FACU	FACU	3	FACU	Poaceae
Elymus hystrix	UPL	UPL	FACU	3	FACU	Poaceae
Elymus jejunus	FAC	FACW	FACW	0	FAC	Poaceae
ELYMUS LONGIFOLIUS	facu	FACU	FACU	3	FACU	Poaceae
Elymus macgregorii	FAC	FACW	FACW	0	FAC	Poaceae
ELYMUS REPENS	FACU	FACU	FACU	3	FACU	Poaceae
Elymus riparius	FACW	FACW	FACW	-3	FACW	Poaceae
ELYMUS TRACHYCAULUS	FAC	FACU	FACU	3	FACU	Poaceae
Elymus villosus	FACU	FACU	FACU	3	FACU	Poaceae
Elymus virginicus	FAC	FACW	FACW	0	FAC	Poaceae
ENGELMANNIA PERISTENIA	upl	upl	upl	5	UPL	Asteraceae
Epifagus virginiana	upl	upl	upl	5	UPL	Orobanchaceae
EPILOBIUM CILIATUM	FACW	FAC	FACW	0	FAC	Onagraceae
Epilobium coloratum	OBL	FACW	OBL	-5	OBL	Onagraceae
Epilobium leptophyllum	OBL	OBL	OBL	-5	OBL	Onagraceae
EPIPACTIS HELLEBORINE	UPL	UPL	FACU	5	UPL	Orchidaceae
Equisetum × ferrissii	FACW	FACW	FACW	-3	FACW	Equisetaceae
Equisetum × nelsonii	obl	FAC	FAC	-5	[OBL]	Equisetaceae
Equisetum arvense	FAC	FAC	FAC	0	FAC	Equisetaceae
Equisetum hyemale	FACW	FACW	FACW	-3	FACW	Equisetaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Equisetum laevigatum	FAC	FACW	FACW	-3	FACW	Equisetaceae
ERAGROSTIS BARRELIERI	upl	upl	upl	5	UPL	Poaceae
Eragrostis capillaris	upl	upl	upl	5	UPL	Poaceae
ERAGROSTIS CILIANENSIS	FACU	FACU	FACU	3	FACU	Poaceae
ERAGROSTIS CURTIPEDICELLATA	upl	upl	upl	5	UPL	Poaceae
ERAGROSTIS CURVULA	upl	upl	upl	5	UPL	Poaceae
ERAGROSTIS ELLIOTTII	FACW	FACW	FACW	-3	FACW	Poaceae
Eragrostis frankii	FACW	FACW	FACW	-3	FACW	Poaceae
Eragrostis glomerata	upl	upl	upl	5	UPL	Poaceae
Eragrostis hirsuta	FACU	UPL	FACU	3	FACU	Poaceae
Eragrostis hypnoides	OBL	OBL	OBL	-5	OBL	Poaceae
Eragrostis intermedia	upl	upl	upl	5	UPL	Poaceae
ERAGROSTIS MINOR	upl	upl	upl	5	UPL	Poaceae
ERAGROSTIS PECTINACEA var MISERRIMA	FAC	FAC	FAC	0	FAC	Poaceae
Eragrostis pectinacea var pectinacea	FAC	FAC	FAC	0	FAC	Poaceae
ERAGROSTIS PILOSA	FACU	FACU	FACU	3	FACU	Poaceae
Eragrostis reptans	FAC	FACW	OBL	-3	FACW	Poaceae
ERAGROSTIS SECUNDIFLORA subsp OXYLEPIS	UPL	UPL	FACU	5	UPL	Poaceae
Eragrostis spectabilis	FACU	UPL	UPL	5	UPL	Poaceae
Eragrostis trichodes	upl	upl	upl	5	UPL	Poaceae
ERANTHUS HYEMALIS	upl	upl	upl	5	UPL	Ranunculaceae
Erechtites hieracifolius	upl	upl	upl	5	UPL	Asteraceae
Erianthus alopecuroides	FAC	FAC	FACU	3	FACU	Poaceae
ERIANTHUS GIGANTEUS	FACW	FACW	FACW	-3	FACW	Poaceae
ERIANTHUS RAVENNAE	FAC	UPL	FACW	3	FACU	Poaceae
Erianthus strictus	OBL	OBL	OBL	-5	OBL	Poaceae
Erigenia bulbosa	upl	upl	upl	5	UPL	Apiaceae
Erigeron annuus	FACU	FACU	FACU	3	FACU	Asteraceae
Erigeron philadelphicus	FAC	FACU	FACW	0	FAC	Asteraceae
Erigeron pulchellus	FACU	FACU	FACU	3	FACU	Asteraceae
Erigeron strigosus	FAC	FACU	FACU	3	FACU	Asteraceae
Erigeron tenuis	upl	upl	upl	5	UPL	Asteraceae
ERIOCHLOA ACUMINATA	FAC	FAC	FACW	0	FAC	Poaceae
ERIOCHLOA CONTRACTA	FAC	FACU	FAC	3	FACU	Poaceae
ERIOCHLOA VILLOSA	upl	upl	upl	5	UPL	Poaceae
ERIOGONUM ANNUUM	upl	upl	upl	5	UPL	Polygonaceae
Eriogonum longifolium	upl	upl	upl	5	UPL	Polygonaceae
ERODIUM CICUTARIUM	upl	upl	upl	5	UPL	Geraniaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
ERODIUM TEXANUM	upl	upl	upl	5	UPL	Geraniaceae
ERUCA VESICARIA subsp SATIVA	upl	upl	upl	5	UPL	Brassicaceae
ERUCASTRUM GALLICUM	upl	upl	upl	5	UPL	Brassicaceae
ERYNGIUM LEAVENWORTHII	upl	upl	upl	5	UPL	Apiaceae
Eryngium prostratum	FACW	OBL	OBL	-5	OBL	Apiaceae
Eryngium yuccifolium	FAC	FAC	FAC	0	FAC	Apiaceae
Erysimum capitatum	upl	upl	upl	5	UPL	Brassicaceae
ERYSIMUM CHEIRANTHOIDES	UPL	FAC	FACU	3	FACU	Brassicaceae
ERYSIMUM INCONSPICUUM	upl	upl	upl	5	UPL	Brassicaceae
ERYSIMUM REPANDUM	upl	upl	upl	5	UPL	Brassicaceae
Erythronium albidum	UPL	FACU	FACU	3	FACU	Liliaceae
Erythronium americanum	UPL	UPL	UPL	5	UPL	Liliaceae
Erythronium mesochoreum	UPL	UPL	UPL	5	UPL	Liliaceae
Erythronium rostratum	FACU	UPL	FACU	3	FACU	Liliaceae
ESCHSCHOLTZIA CALIFORNICA	upl	upl	upl	5	UPL	Papaveraceae
EUONYMUS ALATUS	upl	upl	upl	5	UPL	Celastraceae
Euonymus americanus	FAC	FAC	FAC	0	FAC	Celastraceae
Euonymus atropurpureus	FAC	FACU	FAC	3	FACU	Celastraceae
EUONYMUS EUROPAEUS	upl	upl	upl	5	UPL	Celastraceae
EUONYMUS HEDERACEUS	upl	upl	upl	5	UPL	Celastraceae
Euonymus obovatus	FACU	FAC	FAC	0	FAC	Celastraceae
Eupatorium album	upl	upl	upl	5	UPL	Asteraceae
Eupatorium altissimum	upl	upl	upl	5	UPL	Asteraceae
EUPATORIUM CAPILLIFOLIUM	FACU	FACU	FACU	3	FACU	Asteraceae
Eupatorium fistulosum	FACW	FACW	OBL	-5	OBL	Asteraceae
Eupatorium hyssopifolium var calcaratum	upl	upl	upl	5	UPL	Asteraceae
Eupatorium maculatum	FACW	FACW	OBL	-5	OBL	Asteraceae
Eupatorium perfoliatum	FACW	FACW	OBL	-3	FACW	Asteraceae
Eupatorium purpureum	FAC	FAC	FAC	0	FAC	Asteraceae
Eupatorium rotundifolium	FAC	FAC	FAC	0	FAC	Asteraceae
Eupatorium semiserratum	FACW	FACW	FACW	-3	FACW	Asteraceae
Eupatorium serotinum	FAC	FAC	FAC	0	FAC	Asteraceae
Eupatorium sessilifolium	upl	upl	upl	5	UPL	Asteraceae
Eupatorium torreyanum	upl	upl	upl	5	UPL	Asteraceae
Euphorbia commutata	FACU	FACU	UPL	3	FACU	Euphorbiaceae
Euphorbia corollata	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia cyathophora	FACU	UPL	FACU	3	FACU	Euphorbiaceae
EUPHORBIA CYPARISSIAS	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia davidii	upl	upl	upl	5	UPL	Euphorbiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Euphorbia dentata	upl	upl	upl	5	UPL	Euphorbiaceae
EUPHORBIA ESULA	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia geyeri	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia glyptosperma	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia humistrata	FACW	FAC	FACW	0	FAC	Euphorbiaceae
Euphorbia maculata	FACU	FACU	FACU	3	FACU	Euphorbiaceae
Euphorbia marginata	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia missurica	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia nutans	FACU	FACU	FACU	3	FACU	Euphorbiaceae
Euphorbia obtusata	FACU	FACU	FACU	3	FACU	Euphorbiaceae
EUPHORBIA OPTHALMICA	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia ouachitana	upl	upl	upl	5	UPL	Euphorbiaceae
EUPHORBIA PROSTRATA	FACU	FACU	FACU	3	FACU	Euphorbiaceae
Euphorbia serpens	FAC	FACW	FACW	0	FAC	Euphorbiaceae
EUPHORBIA SERPYLLIFOLIA	upl	upl	upl	5	UPL	Euphorbiaceae
Euphorbia spathulata	FACU	FACU	FACU	3	FACU	Euphorbiaceae
EUPHORBIA STICTOSPORA	upl	upl	upl	5	UPL	Euphorbiaceae
Eurybia furcata	upl	upl	upl	5	UPL	Asteraceae
Eurybia hemispherica	FACU	FACU	FACU	3	FACU	Asteraceae
Eurybia macrophylla	UPL	UPL	FACU	5	UPL	Asteraceae
Euthamia graminifolia	FAC	FAC	FACW	0	FAC	Asteraceae
Euthamia gymnospermoides	FAC	FAC	FACW	3	[FACU]	Asteraceae
Euthamia leptocephala	FACW	FACW	FACW	-3	FACW	Asteraceae
EVOLVULUS ALSINOIDES	UPL	UPL	UPL	5	UPL	Convolvulaceae
Evolvulus nuttallianus	upl	upl	upl	5	UPL	Convolvulaceae
EXOCHORDA RACEMOSA	upl	upl	upl	5	UPL	Rosaceae
FAGOPYRUM ESCULENTUM	upl	upl	upl	5	UPL	Polygonaceae
Fagus grandifolia	FACU	FACU	FACU	3	FACU	Fagaceae
FALCARIA VULGARIS	upl	upl	upl	5	UPL	Apiaceae
FALLOPIA CONVOLVULUS	FACU	FACU	FACU	3	FACU	Polygonaceae
FALLOPIA DUMETORUM	FACU	FACU	FAC	3	FACU	Polygonaceae
FALLOPIA JAPONICA	UPL	FACU	FACU	3	FACU	Polygonaceae
Fallopia scandens	FAC	FAC	FAC	0	FAC	Polygonaceae
FATOUA VILLOSA	FACU	FAC	FAC	0	FAC	Moraceae
FESTUCA ARUNDINACEA	FAC	FACU	FACU	0	FAC	Poaceae
FESTUCA OVINA	UPL	UPL	FACU	5	UPL	Poaceae
Festuca paradoxa	FAC	FAC	FAC	0	FAC	Poaceae
FESTUCA PRATENSIS	FACU	FACU	FACU	3	FACU	Poaceae
FESTUCA RUBRA	FACU	FACU	FACU	3	FACU	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
FESTUCA SORORIA	upl	upl	upl	5	UPL	Poaceae
Festuca subverticillata	FACU	FACU	FACU	3	FACU	Poaceae
FESTUCA TRACHYPHYLLA	UPL	UPL	FACU	5	UPL	Poaceae
Filipendula rubra	OBL	FACU	OBL	-5	OBL	Rosaceae
Fimbristylis annua	FACW	FACW	FACW	-3	FACW	Cyperaceae
Fimbristylis autumnalis	OBL	FACW	OBL	-3	FACW	Cyperaceae
FIMBRISTYLIS LITTORALIS	OBL	OBL	obl	-5	OBL	Cyperaceae
Fimbristylis puberula	OBL	OBL	OBL	3	[FACU]	Cyperaceae
Fimbristylis vahlii	OBL	OBL	OBL	-5	OBL	Cyperaceae
FLAVERIA CAMPESTRIS	fac	FAC	FAC	0	FAC	Asteraceae
Fleischmannia incarnata	FACU	FAC	FAC	0	FAC	Asteraceae
Floerkea proserpinacoides	FACW	FAC	FACW	0	FAC	Limnanthaceae
FOENICULUM VULGARE	upl	upl	upl	5	UPL	Apiaceae
FONTANESIA PHILLYREOIDES subsp FORTUNEI	upl	upl	upl	5	UPL	Oleaceae
Forestiera acuminata	OBL	OBL	OBL	-5	OBL	Oleaceae
FORSYTHIA SUSPENSA	upl	upl	upl	5	UPL	Oleaceae
FRAGARIA × ANANASSA	upl	upl	upl	5	UPL	Rosaceae
Fragaria vesca var americana	UPL	FACU	UPL	5	UPL	Rosaceae
Fragaria virginiana	FACU	FACU	FACU	3	FACU	Rosaceae
Frasera caroliniensis	upl	upl	upl	5	UPL	Gentianaceae
Fraxinus americana	FACU	FACU	FACU	3	FACU	Oleaceae
Fraxinus biltmoreana	FACU	FACU	FACU	3	FACU	Oleaceae
Fraxinus pennsylvanica var pennsylvanica	FACW	FACW	FACW	-3	FACW	Oleaceae
Fraxinus pennsylvanica var subintegerrima	FACW	FACW	FACW	-3	FACW	Oleaceae
Fraxinus profunda	OBL	OBL	OBL	-5	OBL	Oleaceae
Fraxinus quadrangulata	upl	upl	upl	5	UPL	Oleaceae
Fraxinus smallii	FACU	FACU	FACU	3	FACU	Oleaceae
Froelichia floridana var campestris	upl	upl	upl	5	UPL	Amaranthaceae
Froelichia gracilis	upl	upl	upl	5	UPL	Amaranthaceae
Fuirena simplex var aristatula	OBL	OBL	OBL	-5	OBL	Cyperaceae
Fuirena simplex var simplex	OBL	OBL	OBL	-5	OBL	Cyperaceae
FUMARIA OFFICINALIS	upl	upl	upl	5	UPL	Fumariaceae
Gaillardia aestivalis var flavovirens	upl	upl	upl	5	UPL	Asteraceae
GAILLARDIA PULCHELLA	UPL	UPL	FACU	5	UPL	Asteraceae
Galactia regularis	upl	upl	upl	5	UPL	Fabaceae
GALANTHUS NIVALIS	upl	upl	upl	5	UPL	Liliaceae
Galearis spectabilis	upl	upl	upl	5	UPL	Orchidaceae
GALEOPSIS TETRAHIT	FACU	FACU	FACU	3	FACU	Lamiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
GALINSOGA PARVIFLORA	UPL	UPL	FACU	5	UPL	Asteraceae
GALINSOGA QUADRIRADIATA	FACU	FACU	FACU	3	FACU	Asteraceae
GALIUM ANGLICUM	upl	upl	upl	5	UPL	Rubiaceae
Galium aparine	FACU	FACU	FACU	3	FACU	Rubiaceae
Galium arkansanum	upl	upl	upl	5	UPL	Rubiaceae
Galium asprellum	OBL	OBL	OBL	-5	OBL	Rubiaceae
Galium boreale	FAC	FACU	FAC	0	FAC	Rubiaceae
Galium circaezans	FACU	UPL	FACU	5	UPL	Rubiaceae
Galium concinnum	UPL	UPL	FACU	5	UPL	Rubiaceae
GALIUM DIVARICATUM	FAC	FAC	FAC	0	FAC	Rubiaceae
Galium obtusum	FACW	FACW	FACW	-3	FACW	Rubiaceae
GALIUM PEDEMONTANUM	upl	upl	upl	5	UPL	Rubiaceae
Galium pilosum	upl	upl	upl	5	UPL	Rubiaceae
Galium tinctorium	FACW	OBL	OBL	-5	OBL	Rubiaceae
Galium triflorum	FACU	FACU	FACU	3	FACU	Rubiaceae
GALIUM VERUM	upl	upl	upl	5	UPL	Rubiaceae
Galium virgatum	upl	upl	upl	5	UPL	Rubiaceae
Gamochaeta argyrinea	upl	upl	upl	5	UPL	Asteraceae
GAMOCHAETA PENSYLVANICA	FACU	UPL	UPL	5	UPL	Asteraceae
Gamochaeta purpurea	UPL	UPL	FACU	5	UPL	Asteraceae
Gaura coccinea	upl	upl	upl	5	UPL	Onagraceae
Gaura longiflora	upl	upl	upl	5	UPL	Onagraceae
Gaura parviflora	upl	upl	upl	5	UPL	Onagraceae
GAURA SINUATA	upl	upl	upl	5	UPL	Onagraceae
Gaylussacia baccata	FACU	FACU	FACU	3	FACU	Ericaceae
Gentiana alba	FACU	FACU	FACU	3	FACU	Gentianaceae
Gentiana andrewsii var andrewsii	FACW	FACW	FACW	-3	FACW	Gentianaceae
Gentiana andrewsii var dakotica	FACW	FACW	FACW	-3	FACW	Gentianaceae
Gentiana puberulenta	upl	upl	upl	5	UPL	Gentianaceae
Gentianella quinquefolia subsp occidentalis	FACW	FAC	FAC	-3	FACW	Gentianaceae
Geocarpon minimum	upl	upl	upl	5	UPL	Caryophyllaceae
Geranium carolinianum	upl	upl	upl	5	UPL	Geraniaceae
GERANIUM COLUMBINUM	upl	upl	upl	5	UPL	Geraniaceae
GERANIUM DISSECTUM	upl	upl	upl	5	UPL	Geraniaceae
Geranium maculatum	FACU	FACU	FACU	3	FACU	Geraniaceae
GERANIUM MOLLE	upl	upl	upl	5	UPL	Geraniaceae
GERANIUM PUSILLUM	upl	upl	upl	5	UPL	Geraniaceae
Geum canadense	FAC	FACU	FAC	3	FACU	Rosaceae
Geum fragarioides	upl	upl	upl	5	UPL	Rosaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Geum lacinıatum	FACW	FAC	FACW	-3	FACW	Rosaceae
Geum trıflorum	upl	upl	FACU	5	UPL	Rosaceae
Geum vernum	FAC	FACU	FACU	3	FACU	Rosaceae
Geum vırgınıanum	FACW	FAC	FACU	3	FACU	Rosaceae
Gıllenıa stıpulata	upl	upl	upl	5	UPL	Rosaceae
Gıllenıa trıfolıata	upl	upl	upl	5	UPL	Rosaceae
GLADIOLUS COMMUNIS	upl	upl	upl	5	UPL	Irıdaceae
Glandularıa bıpınnatıfida	upl	upl	upl	5	UPL	Verbenaceae
Glandularıa canadensıs	upl	upl	upl	5	UPL	Verbenaceae
GLECHOMA HEDERACEA	FACU	FACU	FACU	3	FACU	Lamıaceae
Gledıtsıa aquatıca	OBL	OBL	OBL	-5	OBL	Fabaceae
Gledıtsıa trıacanthos	FAC	FAC	FACU	0	FAC	Fabaceae
GLINUS LOTOIDES	FACW	FACW	OBL	-3	FACW	Mollugınaceae
Glycerıa acutıflora	OBL	OBL	OBL	-5	OBL	Poaceae
Glycerıa septentrıonalıs var arkansana	FACW	OBL	OBL	-5	OBL	Poaceae
Glycerıa septentrıonalıs var septentrıonalıs	OBL	OBL	OBL	-5	OBL	Poaceae
Glycerıa strıata	OBL	OBL	OBL	-5	OBL	Poaceae
GLYCINE MAX	upl	upl	upl	5	UPL	Fabaceae
Glycyrrhıza lepıdota	FACU	UPL	FACU	5	UPL	Fabaceae
Gonolobus suberosus	FACW	FACW	FACW	-3	FACW	Asclepıadaceae
Goodyera pubescens	UPL	FACU	FAC	3	FACU	Orchıdaceae
GOSSYPIUM HIRSUTUM	FACU	FACU	UPL	5	UPL	Malvaceae
Gratıola neglecta	OBL	OBL	OBL	-5	OBL	Plantagınaceae
Gratıola vırgınıana	OBL	OBL	OBL	-5	OBL	Plantagınaceae
Gratıola vıscıdula	OBL	OBL	OBL	-5	OBL	Plantagınaceae
GRINDELIA CILIATA	FACU	FACU	UPL	5	UPL	Asteraceae
Grındelıa lanceolata	upl	upl	upl	5	UPL	Asteraceae
GRINDELIA SQUARROSA	FACU	FACU	FACU	3	FACU	Asteraceae
GUIZOTIA ABYSSINICA	upl	upl	upl	5	UPL	Asteraceae
GUTIERREZIA TEXANA	upl	upl	upl	5	UPL	Asteraceae
Gymnocladus dıoıca	upl	upl	upl	5	UPL	Fabaceae
Gymnopogon ambıguus	upl	upl	upl	5	UPL	Poaceae
Hackelıa vırgınıana	FAC	FACU	FACU	3	FACU	Boragınaceae
HALESIA DIPTERA	FAC	FAC	FACU	3	FACU	Styracaceae
Hamamelıs vernalıs	FACU	FACU	FACW	0	FAC	Hamamelıdaceae
Hamamelıs vırgınıana	FACU	FACU	FACU	3	FACU	Hamamelıdaceae
Hasteola suaveolens	FACW	FACW	FACW	-3	FACW	Asteraceae
Hedeoma hıspıda	upl	upl	upl	5	UPL	Lamıaceae
Hedeoma pulegıoides	upl	upl	upl	5	UPL	Lamıaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
HEDERA HELIX	FACU	FACU	UPL	3	FACU	Araliaceae
HELENIUM AMARUM	FACU	FACU	FACU	3	FACU	Asteraceae
Helenium autumnale	FACW	FACW	FACW	-3	FACW	Asteraceae
Helenium flexuosum	FACW	FAC	FAC	0	FAC	Asteraceae
Helenium virginicum	OBL	OBL	OBL	-5	OBL	Asteraceae
Helianthemum bicknellii	upl	upl	upl	5	UPL	Cistaceae
Helianthemum canadense	upl	upl	upl	5	UPL	Cistaceae
Helianthus × laetiflorus	upl	upl	upl	5	UPL	Asteraceae
Helianthus angustifolius	FACW	FACW	FACW	-3	FACW	Asteraceae
Helianthus annuus	FAC	FAC	FACU	3	FACU	Asteraceae
Helianthus decapetalus	UPL	FACU	UPL	5	UPL	Asteraceae
Helianthus divaricatus	upl	upl	upl	5	UPL	Asteraceae
Helianthus grosseserratus	FAC	FACW	FACW	0	FAC	Asteraceae
Helianthus hirsutus	upl	upl	upl	5	UPL	Asteraceae
Helianthus maximiliani	UPL	UPL	UPL	5	UPL	Asteraceae
Helianthus microcephalus	UPL	UPL	FACU	5	UPL	Asteraceae
Helianthus mollis	upl	upl	upl	5	UPL	Asteraceae
Helianthus occidentalis	FACU	UPL	FACU	5	UPL	Asteraceae
Helianthus pauciflorus subsp pauciflorus	upl	upl	upl	5	UPL	Asteraceae
HELIANTHUS PAUCIFLORUS subsp SUBRHOMBOIDEUS	upl	upl	upl	5	UPL	Asteraceae
HELIANTHUS PETIOLARIS	upl	upl	upl	5	UPL	Asteraceae
Helianthus salicifolius	upl	upl	upl	5	UPL	Asteraceae
Helianthus silphioides	upl	upl	upl	5	UPL	Asteraceae
Helianthus strumosus	UPL	FACU	FACU	0	[FAC]	Asteraceae
Helianthus tuberosus	FACU	FACU	FACU	3	FACU	Asteraceae
Heliopsis helianthoides var helianthoides	UPL	FACU	FACU	0	[FAC]	Asteraceae
Heliopsis helianthoides var scabra	UPL	FACU	FACU	0	[FAC]	Asteraceae
HELIOTROPIUM AMPLEXICAULE	upl	upl	upl	5	UPL	Heliotropaceae
Heliotropium curassavicum	OBL	OBL	OBL	-5	OBL	Heliotropaceae
HELIOTROPIUM INDICUM	FAC	FAC	FACW	0	FAC	Heliotropaceae
HELIOTROPIUM PROCUMBENS	FACW	FACW	facw	-3	FACW	Heliotropaceae
Heliotropium tenellum	upl	upl	upl	5	UPL	Heliotropaceae
HELMINOTHECA ECHIOIDES	upl	upl	upl	5	UPL	Asteraceae
HEMEROCALLIS FULVA	UPL	FACU	UPL	5	UPL	Liliaceae
Heracleum sphondylium subsp montanum	FAC	FAC	FACW	0	FAC	Apiaceae
HESPERIS MATRONALIS	FACU	FACU	FACU	3	FACU	Brassicaceae
Heteranthera dubia	OBL	OBL	OBL	-5	OBL	Pontederiaceae
Heteranthera limosa	OBL	OBL	OBL	-5	OBL	Pontederiaceae
Heteranthera multiflora	obl	obl	obl	-5	OBL	Pontederiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Heteranthera reniformis	OBL	OBL	OBL	-5	OBL	Pontederiaceae
Heteranthera rotundifolia	obl	obl	obl	-5	[OBL]	Pontederiaceae
Heterotheca camporum	upl	upl	upl	5	UPL	Asteraceae
Heterotheca canescens	upl	upl	upl	5	UPL	Asteraceae
Heterotheca subaxillaris	UPL	UPL	UPL	5	UPL	Asteraceae
Heuchera americana	FACU	FACU	FACU	3	FACU	Saxifragaceae
Heuchera parviflora var parviflora	upl	upl	upl	5	UPL	Saxifragaceae
Heuchera parviflora var puberula	upl	upl	upl	5	UPL	Saxifragaceae
Heuchera richardsonii	FACU	FAC	FACU	3	FACU	Saxifragaceae
Heuchera villosa	upl	upl	upl	5	UPL	Saxifragaceae
Hexalectris spicata	FACU	UPL	UPL	5	UPL	Orchidaceae
Hibiscus laevis	OBL	OBL	OBL	-5	OBL	Malvaceae
Hibiscus lasiocarpos	OBL	OBL	OBL	-5	OBL	Malvaceae
HIBISCUS SYRIACUS	upl	upl	upl	5	UPL	Malvaceae
HIBISCUS TRIONUM	upl	upl	upl	5	UPL	Malvaceae
HIERACIUM CAESPITOSUM	upl	upl	upl	5	UPL	Asteraceae
Hieracium gronovii	UPL	UPL	UPL	5	UPL	Asteraceae
Hieracium longipilum	upl	upl	upl	5	UPL	Asteraceae
Hieracium scabrum	upl	upl	upl	5	UPL	Asteraceae
HOLCUS LANATUS	FACU	FAC	FACU	3	FACU	Poaceae
HOLOSTEUM UMBELLATUM	upl	upl	upl	5	UPL	Caryophyllaceae
Hordeum jubatum	FAC	FAC	FAC	0	FAC	Poaceae
Hordeum pusillum	FACU	FAC	FAC	3	FACU	Poaceae
HORDEUM VULGARE	upl	upl	upl	5	UPL	Poaceae
Hottonia inflata	OBL	OBL	OBL	-5	OBL	Primulaceae
Houstonia caerulea	FAC	FACU	FAC	3	FACU	Rubiaceae
Houstonia longifolia var longifolia	upl	upl	upl	5	UPL	Rubiaceae
Houstonia longifolia var tenuifolia	upl	upl	upl	5	UPL	Rubiaceae
Houstonia micrantha	upl	upl	upl	5	UPL	Rubiaceae
Houstonia nigricans	upl	upl	upl	5	UPL	Rubiaceae
Houstonia purpurea	upl	upl	upl	5	UPL	Rubiaceae
Houstonia pusilla	FACU	FAC	FACU	3	FACU	Rubiaceae
Houstonia rosea	upl	upl	upl	5	UPL	Rubiaceae
HUMULUS JAPONICUS	FAC	FACU	FACU	3	FACU	Cannabaceae
Humulus lupulus var lupulus	FACU	FACU	FACU	3	FACU	Cannabaceae
Humulus lupulus var neomexicanus	FACU	FACU	FACU	3	FACU	Cannabaceae
Humulus lupulus var pubescens	FACU	FACU	FACU	3	FACU	Cannabaceae
Huperzia lucidula	FACW	FACW	FACW	-3	FACW	Lycopodiaceae
Huperzia porophila	UPL	FACU	FACU	3	FACU	Lycopodiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Hydrangea arborescens	UPL	FACU	FACU	3	FACU	Hydrangeaceae
Hydrastis canadensis	upl	upl	upl	5	UPL	Ranunculaceae
HYDRILLA VERTICILLATA	OBL	OBL	obl	-5	OBL	Hydrocharitaceae
Hydrocotyle ranunculoides	OBL	OBL	OBL	-5	OBL	Apiaceae
Hydrocotyle verticillata	OBL	OBL	OBL	-5	OBL	Apiaceae
Hydrolea ovata	OBL	OBL	OBL	-5	OBL	Hydroleaceae
Hydrolea uniflora	OBL	OBL	OBL	-5	OBL	Hydroleaceae
Hydrophyllum appendiculatum	upl	upl	upl	5	UPL	Hydrophyllaceae
Hydrophyllum canadense	FACW	FACU	FACW	0	FAC	Hydrophyllaceae
Hydrophyllum virginianum	FACW	FAC	FAC	0	FAC	Hydrophyllaceae
Hylodesmum glutinosum	upl	upl	upl	5	UPL	Fabaceae
Hylodesmum nudiflorum	upl	upl	upl	5	UPL	Fabaceae
Hylodesmum pauciflorum	upl	upl	upl	5	UPL	Fabaceae
Hymenocallis caroliniana	OBL	OBL	OBL	-5	OBL	Liliaceae
Hymenopappus scabiosaeus	upl	upl	upl	5	UPL	Asteraceae
Hypericum adpressum	OBL	OBL	OBL	-5	OBL	Clusiaceae
Hypericum ascyron subsp pyramidatum	FAC	FAC	FAC	0	FAC	Clusiaceae
Hypericum drummondii	FACU	UPL	FACU	3	FACU	Clusiaceae
Hypericum gentianoides	FACU	UPL	FACU	5	UPL	Clusiaceae
Hypericum gymnanthum	FACW	OBL	OBL	-5	OBL	Clusiaceae
Hypericum hypericoides	FAC	FACU	FACU	3	FACU	Clusiaceae
Hypericum lobocarpum	upl	upl	upl	5	UPL	Clusiaceae
Hypericum majus	FACW	FACW	FACW	-3	FACW	Clusiaceae
Hypericum mutilum	FACW	FACW	FACW	-3	FACW	Clusiaceae
HYPERICUM PERFORATUM	FACU	FAC	FACU	3	FACU	Clusiaceae
Hypericum prolificum	FAC	FACU	FACU	3	FACU	Clusiaceae
Hypericum pseudomaculatum	upl	upl	upl	5	UPL	Clusiaceae
Hypericum punctatum	FAC	FAC	FAC	0	FAC	Clusiaceae
Hypericum sphaerocarpum	FACU	FAC	FACU	3	FACU	Clusiaceae
Hypericum strangulum	FAC	FACU	FACU	3	FACU	Clusiaceae
HYPOCHAERIS RADICATA	UPL	UPL	FACU	5	UPL	Asteraceae
Hypoxis hirsuta	FACW	FAC	FAC	0	FAC	Liliaceae
Ilex decidua	FACW	FACW	FACW	-3	FACW	Aquifoliaceae
Ilex opaca	FAC	FACU	FACU	3	FACU	Aquifoliaceae
Ilex verticillata	FACW	FACW	FACW	-3	FACW	Aquifoliaceae
ILEX VOMITORIA	FAC	FAC	fac	0	FAC	Aquifoliaceae
IMPATIENS BALSAMINEA	UPL	UPL	FACU	5	UPL	Balsaminaceae
Impatiens capensis	FACW	FACW	FACW	-3	FACW	Balsaminaceae
Impatiens pallida	FACW	FACW	FACW	-3	FACW	Balsaminaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
INULA BRITANNICA	upl	upl	upl	5	UPL	Asteraceae
INULA HELENIUM	UPL	FACU	FACU	5	UPL	Asteraceae
Iodanthus pinnatifidus	FACW	FACW	FACW	-3	FACW	Brassicaceae
Ionactis linariifolius	upl	upl	upl	5	UPL	Asteraceae
IPOMOEA AMNICOLA	FACW	facw	FACW	-3	FACW	Convolvulaceae
IPOMOEA COCCINEA	FAC	FACU	FAC	3	FACU	Convolvulaceae
IPOMOEA HEDERACEA	FACU	FACU	FAC	3	FACU	Convolvulaceae
Ipomoea lacunosa	FAC	FACW	FACW	0	FAC	Convolvulaceae
Ipomoea pandurata	FACU	FACU	FACU	3	FACU	Convolvulaceae
IPOMOEA PURPUREA	UPL	UPL	FACU	5	UPL	Convolvulaceae
IPOMOEA QUAMOCLIT	FACU	UPL	FACU	5	UPL	Convolvulaceae
IPOMOEA TRICOLOR	upl	upl	upl	5	UPL	Convolvulaceae
IPOMOPSIS RUBRA	upl	upl	upl	5	UPL	Polemoniaceae
Iresine rhizomatosa	FACW	FACW	FACW	-3	FACW	Amaranthaceae
Iris brevicaulis	OBL	OBL	OBL	-5	OBL	Iridaceae
Iris cristata	upl	upl	upl	5	UPL	Iridaceae
Iris fulva	OBL	OBL	OBL	-5	OBL	Iridaceae
IRIS GERMANICA	upl	upl	upl	5	UPL	Iridaceae
IRIS ORIENTALIS	upl	upl	upl	5	UPL	Iridaceae
IRIS PALLIDA	upl	upl	upl	5	UPL	Iridaceae
IRIS PSEUDOACORUS	OBL	OBL	OBL	-5	OBL	Iridaceae
IRIS PUMILA	upl	upl	upl	5	UPL	Iridaceae
IRIS VERNA	upl	upl	upl	5	UPL	Iridaceae
Iris virginica var shrevei	OBL	OBL	OBL	-5	OBL	Iridaceae
ISATIS TINCTORIA	upl	upl	upl	5	UPL	Brassicaceae
Isoetes butleri	OBL	FACW	OBL	-5	OBL	Isoetaceae
Isoetes engelmannii	OBL	OBL	OBL	-5	OBL	Isoetaceae
Isoetes melanopoda	OBL	OBL	OBL	-5	OBL	Isoetaceae
Isolepis carinata	FACW	FACW	FACW	-3	FACW	Cyperaceae
Isolepis molesta	OBL	OBL	OBL	-5	OBL	Cyperaceae
Isopyrum biternatum	FACW	FACU	FAC	3	FACU	Ranunculaceae
Isotria medeoloides	FACU	FACU	FACU	3	FACU	Orchidaceae
Isotria verticillata	FACU	FACU	FAC	3	FACU	Orchidaceae
Itea virginica	FACW	OBL	OBL	-5	OBL	Iteaceae
IVA ANGUSTIFOLIA	upl	upl	upl	5	UPL	Asteraceae
Iva annua	FAC	FAC	FAC	0	FAC	Asteraceae
JACQUEMONTIA TAMNIFOLIA	FACU	FACU	UPL	3	FACU	Convolvulaceae
JASMINUM NUDIFLORUM	upl	upl	upl	5	UPL	Oleaceae
Juglans cinerea	FACU	FACU	FACU	3	FACU	Juglandaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Juglans nigra	UPL	FACU	FACU	3	FACU	Juglandaceae
Juncus acuminatus	OBL	OBL	OBL	-5	OBL	Juncaceae
Juncus alpinoarticulatus	obl	OBL	OBL	-5	OBL	Juncaceae
Juncus balticus subsp littoralis	OBL	OBL	OBL	-5	OBL	Juncaceae
Juncus biflorus	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus brachycarpus	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus brachyphyllus	FAC	FAC	FAC	0	FAC	Juncaceae
Juncus bufonius	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus canadensis	OBL	OBL	OBL	-5	OBL	Juncaceae
Juncus debilis	OBL	OBL	OBL	-5	OBL	Juncaceae
Juncus diffusissimus	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus dudleyi	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus effusus subsp solutus	OBL	FACW	OBL	-5	OBL	Juncaceae
Juncus filipendulus	FAC	FAC	fac	0	FAC	Juncaceae
JUNCUS GERARDII	OBL	FACW	OBL	-5	OBL	Juncaceae
Juncus interior	FACU	FACU	FAC	3	FACU	Juncaceae
Juncus marginatus	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus nodatus	OBL	OBL	OBL	-5	OBL	Juncaceae
Juncus nodosus	OBL	OBL	OBL	-5	OBL	Juncaceae
Juncus scirpoides	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus secundus	FAC	FACU	FAC	3	FACU	Juncaceae
Juncus subcaudatus	FAC	OBL	OBL	-5	OBL	Juncaceae
Juncus tenuis var anthelatus	FACW	FACW	FAC	0	FAC	Juncaceae
Juncus tenuis var tenuis	FAC	FAC	FAC	0	FAC	Juncaceae
Juncus torreyi	FACW	FACW	FACW	-3	FACW	Juncaceae
Juncus validus	FACW	FACW	FACW	-3	FACW	Juncaceae
Juniperus ashei	upl	upl	upl	5	UPL	Cupressaceae
Juniperus virginiana	FACU	FACU	FACU	3	FACU	Cupressaceae
Justicia americana	OBL	OBL	OBL	-5	OBL	Acanthaceae
Justicia ovata	OBL	OBL	OBL	-5	OBL	Acanthaceae
KALLSTROEMIA PARVIFLORA	upl	upl	upl	5	UPL	Zygophyllaceae
KICKXIA ELATINE	FACU	FAC	FAC	3	FACU	Plantaginaceae
KICKXIA SPURIA	upl	upl	upl	5	UPL	Plantaginaceae
KNAUTIA ARVENSIS	upl	upl	upl	5	UPL	Dipsacaceae
KOCHIA SCOPARIA	FACU	UPL	FACU	3	FACU	Chenopodiaceae
Koeleria macrantha	upl	upl	upl	5	UPL	Poaceae
KOELRUETERIA PANICULATA	upl	upl	upl	5	UPL	Sapindaceae
KOLKWITZIA AMABILIS	upl	upl	upl	5	UPL	Caprifoliaceae
Krigia biflora	FACU	FACU	FACU	3	FACU	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Krigia caespitosa	FAC	FAC	FACU	3	FACU	Asteraceae
Krigia dandelion	FACU	FAC	FACU	3	FACU	Asteraceae
Krigia occidentalis	upl	upl	upl	5	UPL	Asteraceae
Krigia virginica	FACU	UPL	UPL	5	UPL	Asteraceae
KUMMEROWIA STIPULACEA	FACU	FACU	FACU	3	FACU	Fabaceae
KUMMEROWIA STRIATA	FACU	FACU	FACU	3	FACU	Fabaceae
KYLLINGA GRACILLIMA	FACU	FACU	FACW	0	FAC	Cyperaceae
Kyllinga pumila	FACW	FACW	FACW	-3	FACW	Cyperaceae
LABLAB PURPUREUS	upl	upl	upl	5	UPL	Fabaceae
Lactuca canadensis	FACU	FACU	FACU	3	FACU	Asteraceae
Lactuca floridana	FACU	FACU	FACU	3	FACU	Asteraceae
Lactuca hirsuta	upl	upl	upl	5	UPL	Asteraceae
Lactuca ludoviciana	FAC	UPL	FACU	5	UPL	Asteraceae
LACTUCA SALIGNA	FACU	UPL	FACU	3	FACU	Asteraceae
LACTUCA SERRIOLA	FAC	FAC	FACU	3	FACU	Asteraceae
Lactuca tatarica subsp pulchella	FAC	FAC	FAC	0	FAC	Asteraceae
LAGENARIA SICERARIA	upl	upl	upl	5	UPL	Cucurbitaceae
LAMIUM AMPLEXICAULE	upl	upl	upl	5	UPL	Lamiaceae
LAMIUM HYBRIDUM	upl	upl	upl	5	UPL	Lamiaceae
LAMIUM PURPUREUM	upl	upl	upl	5	UPL	Lamiaceae
Laportea canadensis	FACW	FAC	FACW	-3	FACW	Urticaceae
LAPPULA REDOWSKII	upl	upl	upl	5	UPL	Boraginaceae
LAPPULA SQUARROSA	upl	upl	upl	5	UPL	Boraginaceae
LAPSANA COMMUNIS	FAC	FACU	FACU	3	FACU	Asteraceae
LATHYRUS HIRSUTUS	FAC	FAC	FACU	3	FACU	Fabaceae
LATHYRUS LATIFOLIUS	upl	upl	upl	5	UPL	Fabaceae
Lathyrus palustris	OBL	FACW	FACW	-5	OBL	Fabaceae
Lathyrus pusillus	FAC	FAC	UPL	3	FACU	Fabaceae
LATHYRUS SYLVESTRIS	upl	upl	upl	5	UPL	Fabaceae
LATHYRUS TUBEROSUS	upl	upl	upl	5	UPL	Fabaceae
Lathyrus venosus	FAC	FACW	FAC	5	[UPL]	Fabaceae
LAVATERA TRIMESTRIS	upl	upl	upl	5	UPL	Malvaceae
Leavenworthia uniflora	FAC	FAC	FACU	3	FACU	Brassicaceae
Lechea mucronata	upl	upl	upl	5	UPL	Cistaceae
Lechea racemulosa	upl	upl	upl	5	UPL	Cistaceae
Lechea tenuifolia	upl	upl	upl	5	UPL	Cistaceae
Leersia lenticularis	OBL	OBL	OBL	-5	OBL	Poaceae
Leersia oryzoides	OBL	OBL	OBL	-5	OBL	Poaceae
Leersia virginica var ovata	FACW	FACW	FACW	-3	FACW	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Leersia virginica var virginica	FACW	FACW	FACW	-3	FACW	Poaceae
Leitneria floridana	OBL	OBL	obl	-5	OBL	Simaroubaceae
Lemna aequinoctialis	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna minor	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna minuta	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna obscura	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna perpusilla	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna trisulca	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna turionifera	OBL	OBL	OBL	-5	OBL	Lemnaceae
Lemna valdiviana	OBL	OBL	OBL	-5	OBL	Lemnaceae
LEONTODON TARAXACOIDES	upl	upl	upl	5	UPL	Asteraceae
LEONURUS CARDIACA	upl	upl	upl	5	UPL	Lamiaceae
LEONURUS JAPONICUS	upl	upl	upl	5	UPL	Lamiaceae
LEONURUS MARRUBIASTRUM	upl	upl	upl	5	UPL	Lamiaceae
LEPIDIUM APPELIANUM	FAC	FAC	UPL	5	UPL	Brassicaceae
LEPIDIUM CAMPESTRE	upl	upl	upl	5	UPL	Brassicaceae
LEPIDIUM CHALAPENSE	upl	upl	upl	5	UPL	Brassicaceae
LEPIDIUM DENSIFLORUM	FACU	FAC	FAC	3	FACU	Brassicaceae
LEPIDIUM DIDYMUM	upl	upl	upl	5	UPL	Brassicaceae
LEPIDIUM DRABA	upl	upl	upl	5	UPL	Brassicaceae
LEPIDIUM LATIFOLIUM	FAC	FAC	FACW	0	FAC	Brassicaceae
LEPIDIUM PERFOLIATUM	FACU	UPL	FAC	3	FACU	Brassicaceae
LEPIDIUM RUDERALE	upl	upl	upl	5	UPL	Brassicaceae
Lepidium virginicum	UPL	FACU	FACU	3	FACU	Brassicaceae
LEPTOCHLOA DUBIA	upl	upl	upl	5	UPL	Poaceae
Leptochloa fusca subsp fascicularis	FACW	FACW	OBL	-3	FACW	Poaceae
LEPTOCHLOA FUSCA subsp UNINERVIA	FACW	FACW	OBL	-3	FACW	Poaceae
Leptochloa panicea subsp brachiata	FACW	FACW	FACW	-3	FACW	Poaceae
Leptochloa panicea subsp mucronata	FACW	FACW	FACW	-3	FACW	Poaceae
Leptochloa panicoides	FACW	FACW	OBL	-3	FACW	Poaceae
LESPEDEZA BICOLOR	upl	upl	upl	5	UPL	Fabaceae
Lespedeza capitata	FACU	FACU	FACU	3	FACU	Fabaceae
LESPEDEZA CUNEATA	FACU	FACU	UPL	3	FACU	Fabaceae
Lespedeza frutescens	upl	upl	upl	5	UPL	Fabaceae
Lespedeza hirta	upl	upl	upl	5	UPL	Fabaceae
Lespedeza prairea	upl	upl	upl	5	UPL	Fabaceae
Lespedeza procumbens	upl	upl	upl	5	UPL	Fabaceae
Lespedeza repens	upl	upl	upl	5	UPL	Fabaceae
Lespedeza stuevei	upl	upl	upl	5	UPL	Fabaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
LESPEDEZA THUNBERGII	upl	upl	upl	5	UPL	Fabaceae
Lespedeza violacea	upl	upl	upl	5	UPL	Fabaceae
Lespedeza virginica	upl	upl	upl	5	UPL	Fabaceae
LEUCANTHEMUM VULGARE	UPL	UPL	UPL	5	UPL	Asteraceae
LEUCOJUM AESTIVUM	upl	upl	upl	5	UPL	Liliaceae
Leucospora multifida	OBL	OBL	FACW	-3	FACW	Plantaginaceae
LEVISTICUM OFFICINALE	upl	upl	upl	5	UPL	Apiaceae
Liatris aspera	upl	upl	upl	5	UPL	Asteraceae
Liatris cylindracea	upl	upl	upl	5	UPL	Asteraceae
Liatris mucronata	upl	upl	upl	5	UPL	Asteraceae
Liatris punctata	upl	upl	upl	5	UPL	Asteraceae
Liatris pycnostachya	FACU	FACU	FAC	0	FAC	Asteraceae
Liatris scariosa var nieuwlandii	UPL	FACU	UPL	5	UPL	Asteraceae
Liatris spicata	FAC	FAC	FAC	0	FAC	Asteraceae
Liatris squarrosa var hirsuta	upl	upl	upl	5	UPL	Asteraceae
Liatris squarrosa var squarrosa	upl	upl	upl	5	UPL	Asteraceae
Liatris squarrulosa	upl	upl	upl	5	UPL	Asteraceae
Ligusticum canadense	FAC	FAC	FAC	0	FAC	Apiaceae
LIGUSTRUM OBTUSIFOLIUM	upl	upl	upl	5	UPL	Oleaceae
LIGUSTRUM OVALIFOLIUM	upl	upl	upl	5	UPL	Oleaceae
LIGUSTRUM SINENSE	FAC	FACU	FACU	3	FACU	Oleaceae
LIGUSTRUM VULGARE	UPL	FACU	FACU	3	FACU	Oleaceae
LILIUM LANCIFOLIUM	upl	upl	upl	5	UPL	Liliaceae
Lilium michiganense	FACW	FACW	FACW	-3	FACW	Liliaceae
Lilium philadelphicum var andinum	FACU	FACU	FAC	3	FACU	Liliaceae
Lilium superbum	FACW	FACW	FACW	-3	FACW	Liliaceae
Limnobium spongia	OBL	OBL	OBL	-5	OBL	Hydrocharitaceae
Limnosciadium pinnatum	FACW	FACW	FACW	-3	FACW	Apiaceae
LINARIA VULGARIS	upl	upl	upl	5	UPL	Plantaginaceae
Lindera benzoin	FACW	FAC	FACW	0	FAC	Lauraceae
Lindera melissifolia	FACW	OBL	obl	-5	OBL	Lauraceae
Lindernia dubia var anagallidea	OBL	OBL	OBL	-5	OBL	Linderniaceae
Lindernia dubia var dubia	OBL	OBL	OBL	-5	OBL	Linderniaceae
Linum floridanum	FAC	FAC	FAC	0	FAC	Linaceae
Linum medium var texanum	FAC	FACU	FACU	3	FACU	Linaceae
LINUM RIGIDUM	upl	upl	upl	5	UPL	Linaceae
Linum striatum	FACW	FACW	FACW	-3	FACW	Linaceae
Linum sulcatum	upl	upl	upl	5	UPL	Linaceae
LINUM USITATISSIMUM	upl	upl	upl	5	UPL	Linaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Linum virginianum	FAC	FACU	FAC	0	FAC	Linaceae
Liparis liliifolia	FACU	FACU	FACU	3	FACU	Orchidaceae
Liparis loeselii	FACW	FACW	FACW	-3	FACW	Orchidaceae
Lipocarpha aristulata	FACW	FACW	OBL	-3	FACW	Cyperaceae
Lipocarpha drummondii	OBL	OBL	FACW	-3	FACW	Cyperaceae
Lipocarpha micrantha	FACW	FACW	OBL	-3	FACW	Cyperaceae
Lippia lanceolata	OBL	OBL	OBL	-5	OBL	Verbenaceae
Lippia nodiflora	FAC	FACW	FACW	-3	FACW	Verbenaceae
Liquidamber styraciflua	FAC	FAC	FACW	0	FAC	Hamamelidaceae
Liriodendron tulipifera	FACU	FACU	FACU	3	FACU	Magnoliaceae
LIRIOPE MUSCARI	upl	upl	upl	5	UPL	Liliaceae
LIRIOPE SPICATA	upl	upl	upl	5	UPL	Liliaceae
Listera australis	FACW	FACW	facw	-3	FACW	Orchidaceae
Lithospermum canescens	upl	upl	upl	5	UPL	Boraginaceae
Lithospermum carolinense	upl	upl	upl	5	UPL	Boraginaceae
Lithospermum incisum	upl	upl	upl	5	UPL	Boraginaceae
Lithospermum latifolium	upl	upl	upl	5	UPL	Boraginaceae
Lobelia cardinalis	FACW	FACW	OBL	-3	FACW	Campanulaceae
Lobelia inflata	FAC	FACU	FACU	3	FACU	Campanulaceae
Lobelia puberula	FACW	FACW	FACW	-3	FACW	Campanulaceae
Lobelia siphilitica	OBL	FACW	OBL	-5	OBL	Campanulaceae
Lobelia spicata	FAC	FAC	FAC	0	FAC	Campanulaceae
LOBULARIA MARITIMA	upl	upl	upl	5	UPL	Brassicaceae
LOLIUM PERENNE var ARISTATUM	FACU	FACU	FACU	3	FACU	Poaceae
LOLIUM PERENNE var PERENNE	FACU	FACU	FACU	3	FACU	Poaceae
LOLIUM PERSICUM	upl	upl	upl	5	UPL	Poaceae
LOLIUM RIGIDUM	upl	upl	upl	5	UPL	Poaceae
LOLIUM TEMULENTUM	upl	upl	upl	5	UPL	Poaceae
Lomatium foeniculaceum	upl	upl	upl	5	UPL	Apiaceae
LONICERA × BELLA	UPL	FACU	FACU	3	FACU	Caprifoliaceae
LONICERA × PERPUSII	upl	upl	upl	5	UPL	Caprifoliaceae
Lonicera dioica	FACU	FACU	FACU	3	FACU	Caprifoliaceae
Lonicera flava	upl	upl	upl	5	UPL	Caprifoliaceae
LONICERA FRAGRANTISSIMA	upl	upl	upl	5	UPL	Caprifoliaceae
LONICERA JAPONICA	FACU	FAC	FACU	3	FACU	Caprifoliaceae
LONICERA MAACKII	upl	upl	upl	5	UPL	Caprifoliaceae
Lonicera reticulata	upl	upl	upl	5	UPL	Caprifoliaceae
LONICERA SEMPERVIRENS	FACU	FACU	FACU	3	FACU	Caprifoliaceae
LOTUS CORNICULATUS	FACU	FACU	FACU	3	FACU	Fabaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Ludwigia alternifolia	OBL	FACW	OBL	-5	OBL	Onagraceae
Ludwigia decurrens	OBL	OBL	OBL	-5	OBL	Onagraceae
Ludwigia glandulosa	OBL	OBL	OBL	-5	OBL	Onagraceae
LUDWIGIA GRANDIFLORA	OBL	OBL	obl	-5	OBL	Onagraceae
Ludwigia leptocarpa	OBL	OBL	OBL	-5	OBL	Onagraceae
Ludwigia linearis	OBL	OBL	obl	-5	OBL	Onagraceae
Ludwigia microcarpa	OBL	OBL	obl	-5	OBL	Onagraceae
Ludwigia palustris	OBL	OBL	OBL	-5	OBL	Onagraceae
Ludwigia peploides subsp glabrescens	OBL	OBL	OBL	-5	OBL	Onagraceae
Ludwigia polycarpa	OBL	OBL	OBL	-5	OBL	Onagraceae
LUNARIA ANNUA	upl	upl	upl	5	UPL	Brassicaceae
Luzula campestris var bulbosa	FACU	FACU	FACU	3	FACU	Juncaceae
Luzula campestris var echinata	FAC	FACU	FACU	3	FACU	Juncaceae
Luzula campestris var multiflora	FACU	FACU	FACU	3	FACU	Juncaceae
LYCHNIS CORONARIA	upl	upl	upl	5	UPL	Caryophyllaceae
LYCIUM BARBARUM	UPL	UPL	UPL	5	UPL	Solanaceae
LYCIUM CHINENSE	upl	upl	upl	5	UPL	Solanaceae
Lycopodium dendroideum	upl	upl	upl	5	UPL	Lycopodiaceae
Lycopodium digitatum	upl	upl	upl	5	UPL	Lycopodiaceae
Lycopodium tristachyum	upl	upl	upl	5	UPL	Lycopodiaceae
Lycopus americanus	OBL	OBL	OBL	-5	OBL	Lamiaceae
Lycopus asper	obl	obl	OBL	-5	OBL	Lamiaceae
Lycopus rubellus	OBL	OBL	OBL	-5	OBL	Lamiaceae
Lycopus uniflorus	OBL	OBL	OBL	-5	OBL	Lamiaceae
Lycopus virginicus	OBL	OBL	OBL	-5	OBL	Lamiaceae
Lygodesmia juncea	upl	upl	upl	5	UPL	Asteraceae
Lyonia mariana	FAC	FAC	fac	0	FAC	Ericaceae
Lysimachia ciliata	FACW	FACW	FACW	-3	FACW	Primulaceae
Lysimachia hybrida	OBL	OBL	OBL	-5	OBL	Primulaceae
Lysimachia lanceolata	FAC	FAC	FAC	0	FAC	Primulaceae
LYSIMACHIA NUMMULARIA	FACW	FACW	FACW	-3	FACW	Primulaceae
Lysimachia quadriflora	OBL	FACW	OBL	-5	OBL	Primulaceae
Lysimachia radicans	OBL	OBL	OBL	-5	OBL	Primulaceae
Lysimachia terrestris	OBL	OBL	OBL	-5	OBL	Primulaceae
Lysimachia thyrsiflora	OBL	OBL	OBL	-5	OBL	Primulaceae
LYSIMACHIA VULGARIS	FAC	FAC	FACW	0	FAC	Primulaceae
Lythrum alatum	OBL	FACW	OBL	-5	OBL	Lythraceae
LYTHRUM SALICARIA	OBL	FACW	OBL	-5	OBL	Lythraceae
MACLURA POMIFERA	FACU	UPL	FACU	3	FACU	Moraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Magnolia acuminata	FACU	FACU	FACU	3	FACU	Magnoliaceae
MAGNOLIA TRIPETALA	FACU	FACU	FACU	3	FACU	Magnoliaceae
Maianthemum racemosum	FACU	FACU	FACU	3	FACU	Liliaceae
Maianthemum stellatum	FACU	FACW	FAC	0	FAC	Liliaceae
Malaxis unifolia	FAC	FAC	FAC	0	FAC	Orchidaceae
MALUS × SOULARDII	upl	upl	upl	5	UPL	Rosaceae
Malus angustifolia	upl	upl	upl	5	UPL	Rosaceae
MALUS BACCATA	upl	upl	upl	5	UPL	Rosaceae
Malus coronaria	upl	upl	upl	5	UPL	Rosaceae
MALUS DOMESTICA	upl	upl	upl	5	UPL	Rosaceae
MALUS FLORIBUNDA	upl	upl	upl	5	UPL	Rosaceae
Malus ioensis	upl	upl	upl	5	UPL	Rosaceae
MALUS SIEBOLDII	upl	upl	upl	5	UPL	Rosaceae
MALVA MOSCHATA	UPL	UPL	UPL	5	UPL	Malvaceae
MALVA NEGLECTA	upl	upl	upl	5	UPL	Malvaceae
MALVA PARVIFLORA	upl	upl	upl	5	UPL	Malvaceae
MALVA PUSILLA	upl	upl	upl	5	UPL	Malvaceae
MALVA SYLVESTRIS	upl	upl	upl	5	UPL	Malvaceae
MALVA VERTICILLATA	upl	upl	upl	5	UPL	Malvaceae
Malvastrum angustum	upl	upl	upl	5	UPL	Malvaceae
Manfreda virginica	upl	upl	upl	5	UPL	Agavaceae
MARRUBIUM VULGARE	FACU	UPL	FAC	3	FACU	Lamiaceae
Marshallia caespitosa var caespitosa	FACU	FACU	UPL	5	UPL	Asteraceae
Marshallia caespitosa var signata	FACU	FACU	UPL	5	UPL	Asteraceae
MARSILEA MUTICA	OBL	OBL	OBL	-5	OBL	Marsileaceae
MARSILEA QUADRIFOLIA	OBL	OBL	OBL	-5	OBL	Marsileaceae
Matelea baldwyniana	upl	upl	upl	5	UPL	Asclepiadaceae
Matelea decipiens	upl	upl	upl	5	UPL	Asclepiadaceae
MATRICARIA CHAMOMILLA	upl	upl	upl	5	UPL	Asteraceae
MATRICARIA DISCOIDEA	FACU	FACU	FACU	3	FACU	Asteraceae
Matteuccia struthiopteris var pensylvanica	FACW	FACW	FACW	-3	FACW	Dryopteridaceae
MAZUS PUMILUS	FAC	FACU	UPL	3	FACU	Phrymaceae
Mecardonia acuminata	FACW	OBL	OBL	-5	OBL	Plantaginaceae
Medeola virginiana	FACU	facu	FACU	3	FACU	Liliaceae
MEDICAGO ARABICA	upl	upl	upl	5	UPL	Fabaceae
MEDICAGO LUPULINA	UPL	FACU	FACU	3	FACU	Fabaceae
MEDICAGO MINIMA	upl	upl	upl	5	UPL	Fabaceae
MEDICAGO POLYMORPHA	FACU	FACU	FACU	3	FACU	Fabaceae
MEDICAGO SATIVA	UPL	UPL	FACU	5	UPL	Fabaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
MELAMPODIUM CINEREUM var RAMOSISSIMUM	upl	upl	upl	5	UPL	Asteraceae
Melanthium virginicum	OBL	FACW	FACW	-3	FACW	Liliaceae
MELIA AZEDARACH	UPL	UPL	FACU	5	UPL	Meliaceae
Melica mutica	upl	upl	upl	5	UPL	Poaceae
Melica nitens	upl	upl	upl	5	UPL	Poaceae
MELILOTUS ALBUS	FACU	FACU	FACU	3	FACU	Fabaceae
MELILOTUS OFFICINALE	FACU	FACU	FACU	3	FACU	Fabaceae
MELISSA OFFICINALIS	UPL	UPL	UPL	5	UPL	Lamiaceae
MELOCHIA CORCHORIFOLIA	FAC	FAC	FACU	3	FACU	Malvaceae
Melothria pendula	FAC	FAC	FAC	0	FAC	Cucurbitaceae
Menispermum canadense	FACU	FACU	FAC	3	FACU	Menispermaceae
MENTHA × GRACILIS	FAC	FACW	OBL	-3	FACW	Lamiaceae
MENTHA × PIPERITA	FACW	FACW	OBL	-3	FACW	Lamiaceae
MENTHA AQUATICA var CITRATA	OBL	FACW	OBL	-5	OBL	Lamiaceae
Mentha canadensis	FACW	FACW	FACW	-3	FACW	Lamiaceae
MENTHA LONGIFOLIA	FACW	FACW	FACW	-3	FACW	Lamiaceae
MENTHA SPICATA	FACW	FACW	FACW	-3	FACW	Lamiaceae
MENTZELIA ALBESCENS	upl	upl	upl	5	UPL	Loasaceae
MENTZELIA NUDA	upl	upl	upl	5	UPL	Loasaceae
Mentzelia oligosperma	upl	upl	upl	5	UPL	Loasaceae
Menyanthes trifoliata	OBL	OBL	OBL	-5	OBL	Menyanthaceae
Mertensia virginica	FAC	FACW	FACW	0	FAC	Boraginaceae
Micranthes pensylvanica var forbesii	OBL	OBL	OBL	0	[FAC]	Saxifragaceae
Micranthes texana	FAC	FAC	FAC	5	[UPL]	Saxifragaceae
Micranthes virginiensis	FAC	FAC	FACU	3	FACU	Saxifragaceae
MICROSTEGIUM VIMINEUM	FAC	FAC	FAC	0	FAC	Poaceae
MICROTHLASPI PERFOLIATUM	upl	upl	upl	5	UPL	Brassicaceae
Mikania scandens	FACW	FACW	OBL	-5	OBL	Asteraceae
Mimosa quadrivalvis var nuttallii	upl	upl	upl	5	UPL	Fabaceae
Mimulus alatus	OBL	OBL	OBL	-5	OBL	Phrymaceae
Mimulus glabratus	OBL	OBL	OBL	-5	OBL	Phrymaceae
Mimulus ringens	OBL	OBL	OBL	-5	OBL	Phrymaceae
Minuartia michauxii	upl	upl	upl	5	UPL	Caryophyllaceae
Minuartia muscorum	FACU	FACU	FACU	3	FACU	Caryophyllaceae
Minuartia patula	FAC	UPL	FACU	5	UPL	Caryophyllaceae
Mirabilis albida	upl	upl	upl	5	UPL	Nyctaginaceae
Mirabilis linearis	UPL	UPL	UPL	5	UPL	Nyctaginaceae
Mirabilis nyctaginea	FACU	FACU	UPL	3	FACU	Nyctaginaceae
MISCANTHUS SACCHARIFLORUS	upl	upl	upl	5	UPL	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
MISCANTHUS SINENSIS	UPL	FACU	UPL	5	UPL	Poaceae
Mitchella repens	FACU	FACU	FACU	3	FACU	Rubiaceae
Mitella diphylla	FACU	FACU	FACU	3	FACU	Saxifragaceae
Mitreola petiolata	FACW	FACW	facw	-3	FACW	Loganiaceae
Moehringia lateriflora	FAC	FAC	FACU	3	FACU	Caryophyllaceae
MOLLUGO VERTICILLATA	FAC	FAC	FAC	0	FAC	Molluginaceae
Monarda bradburiana	upl	upl	upl	5	UPL	Lamiaceae
Monarda citriodora	upl	upl	upl	5	UPL	Lamiaceae
Monarda clinopodia	FACU	FACU	FACU	3	FACU	Lamiaceae
MONARDA DIDYMA	FAC	FAC	UPL	3	FACU	Lamiaceae
Monarda fistulosa	FACU	UPL	FACU	3	FACU	Lamiaceae
MONARDA PECTINATA	upl	upl	upl	5	UPL	Lamiaceae
Monarda punctata var arkansana	FACU	UPL	UPL	5	UPL	Lamiaceae
MONARDA PUNCTATA var OCCIDENTALIS	FACU	UPL	UPL	5	UPL	Lamiaceae
Monarda punctata var villicaulis	FACU	UPL	UPL	5	UPL	Lamiaceae
MONOLEPIS NUTTALLIANA	FACU	UPL	UPL	5	UPL	Chenopodiaceae
Monotropa hypopitys	upl	upl	upl	5	UPL	Ericaceae
Monotropa uniflora	FACU	FACU	FACU	3	FACU	Ericaceae
MORUS ALBA	FACU	UPL	FAC	3	FACU	Moraceae
Morus rubra	FACU	FACU	FACU	3	FACU	Moraceae
Muhlenbergia asperifolia	FACW	FACW	FACW	-3	FACW	Poaceae
Muhlenbergia bushii	upl	upl	upl	5	UPL	Poaceae
Muhlenbergia capillaris	FAC	FACU	FACU	3	FACU	Poaceae
Muhlenbergia cuspidata	upl	upl	upl	5	UPL	Poaceae
Muhlenbergia frondosa	FAC	FAC	FACW	0	FAC	Poaceae
Muhlenbergia glabrifloris	FAC	FAC	FACU	5	UPL	Poaceae
Muhlenbergia mexicana	FAC	FACW	FACW	0	FAC	Poaceae
Muhlenbergia racemosa	FACW	FAC	FACW	-3	FACW	Poaceae
Muhlenbergia schreberi	FAC	FAC	FAC	0	FAC	Poaceae
Muhlenbergia sobolifera	upl	upl	upl	5	UPL	Poaceae
Muhlenbergia sylvatica	FACW	FAC	FACW	-3	FACW	Poaceae
Muhlenbergia tenuiflora	FACU	FACU	FACU	3	FACU	Poaceae
MUSCARI BOTRYOIDES	upl	upl	upl	5	UPL	Liliaceae
MUSCARI COMOSUM	upl	upl	upl	5	UPL	Liliaceae
MUSCARIA RACEMOSUM	upl	upl	upl	5	UPL	Liliaceae
Myosotis macrosperma	FAC	FAC	FAC	0	FAC	Boraginaceae
MYOSOTIS SCORPIOIDES	OBL	OBL	OBL	-5	OBL	Boraginaceae
MYOSOTIS STRICTA	UPL	UPL	UPL	5	UPL	Boraginaceae
Myosotis verna	FACU	FAC	FACU	3	FACU	Boraginaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
MYOSOTON AQUATICUM	FACW	FACW	FACW	-3	FACW	Caryophyllaceae
Myosurus minimus	FACW	FACW	FACW	-3	FACW	Ranunculaceae
MYRIOPHYLLUM AQUATICUM	OBL	OBL	OBL	-5	OBL	Haloragaceae
Myriophyllum heterophyllum	OBL	OBL	OBL	-5	OBL	Haloragaceae
Myriophyllum pinnatum	OBL	OBL	OBL	-5	OBL	Haloragaceae
MYRIOPHYLLUM SIBIRICUM	OBL	OBL	OBL	-5	OBL	Haloragaceae
MYRIOPHYLLUM SPICATUM	OBL	OBL	OBL	-5	OBL	Haloragaceae
Najas flexilis	OBL	OBL	OBL	-5	OBL	Najadaceae
Najas gracillima	OBL	OBL	OBL	-5	OBL	Najadaceae
Najas guadalupensis	OBL	OBL	OBL	-5	OBL	Najadaceae
NAJAS MINOR	OBL	OBL	OBL	-5	OBL	Najadaceae
NARCISSUS POETICUS	upl	upl	upl	5	UPL	Liliaceae
NARCISSUS PSEUDO-NARCISSUS	upl	upl	upl	5	UPL	Liliaceae
NASTURTIUM OFFICINALE	OBL	OBL	OBL	-5	OBL	Brassicaceae
Nelumbo lutea	OBL	OBL	OBL	-5	OBL	Nelumbonaceae
NELUMBO NUCIFERA	OBL	OBL	OBL	-5	OBL	Nelumbonaceae
Nemastylis geminiflora	upl	upl	upl	5	UPL	Iridaceae
Nemastylis nuttallii	upl	upl	upl	5	UPL	Iridaceae
NEPETA CATARIA	FACU	FACU	FACU	3	FACU	Lamiaceae
NESLIA PANICULATA	upl	upl	upl	5	UPL	Brassicaceae
Neviusia alabamensis	upl	upl	upl	5	UPL	Rosaceae
NICANDRA PHYSALODES	upl	upl	upl	5	UPL	Solanaceae
NICOTIANA LONGIFLORA	upl	upl	upl	5	UPL	Solanaceae
NICOTIANA RUSTICA	upl	upl	upl	5	UPL	Solanaceae
NICOTIANA TABACUM	UPL	UPL	FACU	5	UPL	Solanaceae
Nothocalis cuspidata	upl	upl	upl	5	UPL	Asteraceae
Nothoscordum bivalve	FACU	FACU	FACU	3	FACU	Liliaceae
Nuphar advena subsp advena	OBL	OBL	OBL	-5	OBL	Nymphaeaceae
Nuphar advena subsp ozarkana	OBL	OBL	OBL	-5	OBL	Nymphaeaceae
Nuttallanthus canadensis	upl	upl	upl	5	UPL	Plantaginaceae
Nuttallanthus texanus	upl	upl	upl	5	UPL	Plantaginaceae
Nymphaea odorata	OBL	OBL	OBL	-5	OBL	Nymphaeaceae
NYMPHOIDES PELTATA	OBL	OBL	OBL	-5	OBL	Menyanthaceae
Nyssa aquatica	OBL	OBL	OBL	-5	OBL	Cornaceae
Nyssa biflora	OBL	FACW	obl	-3	FACW	Cornaceae
Nyssa sylvatica	FAC	FAC	FAC	0	FAC	Cornaceae
Obolaria virginica	upl	upl	upl	5	UPL	Gentianaceae
OCIMUM BASILICUM	FACU	UPL	FACU	5	UPL	Lamiaceae
OENANTHE JAVANICA	OBL	OBL	OBL	-5	OBL	Apiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Oenothera biennis	FACU	FACU	FACU	3	FACU	Onagraceae
Oenothera clelandii	UPL	UPL	UPL	5	UPL	Onagraceae
Oenothera fruticosa subsp fruticosa	FACU	FAC	FACU	3	FACU	Onagraceae
Oenothera fruticosa subsp glauca	FACU	FAC	FACU	3	FACU	Onagraceae
Oenothera grandis	upl	upl	upl	5	UPL	Onagraceae
OENOTHERA HETEROPHYLLA	upl	upl	upl	5	UPL	Onagraceae
Oenothera laciniata	FACU	FACU	FACU	3	FACU	Onagraceae
Oenothera linifolia	upl	upl	upl	5	UPL	Onagraceae
Oenothera macrocarpa	upl	upl	upl	5	UPL	Onagraceae
Oenothera nutans	upl	upl	upl	5	UPL	Onagraceae
Oenothera parviflora	FACU	FACU	FACU	3	FACU	Onagraceae
Oenothera perennis	FAC	FAC	FAC	0	FAC	Onagraceae
Oenothera pilosella	FACU	FAC	FAC	0	FAC	Onagraceae
Oenothera rhombipetala	FACU	FACU	FACU	3	FACU	Onagraceae
Oenothera speciosa	upl	upl	upl	5	UPL	Onagraceae
Oenothera triloba	upl	upl	upl	5	UPL	Onagraceae
Oenothera villosa	FACU	FAC	FAC	3	FACU	Onagraceae
Oldenlandia boscii	FACW	FACW	OBL	-3	FACW	Rubiaceae
Oldenlandia uniflora	FACW	FACW	FACW	-3	FACW	Rubiaceae
Oligoneuron album	upl	upl	upl	5	UPL	Asteraceae
Oligoneuron riddellii	OBL	OBL	OBL	-5	OBL	Asteraceae
Oligoneuron rigidum	FACU	UPL	FACU	3	FACU	Asteraceae
Onoclea sensibilis	FACW	FACW	FACW	-3	FACW	Dryopteridaceae
ONOPORDUM ACANTHIUM	upl	upl	upl	5	UPL	Asteraceae
Onosmodium molle subsp hispidissimum	upl	upl	upl	5	UPL	Boraginaceae
Onosmodium molle subsp occidentale	upl	upl	upl	5	UPL	Boraginaceae
Onosmodium molle subsp subsetosum	upl	upl	upl	5	UPL	Boraginaceae
Ophioglossum crotalophoroides	FAC	FAC	UPL	3	FACU	Ophioglossaceae
Ophioglossum engelmannii	FACU	FACU	FACU	3	FACU	Ophioglossaceae
Ophioglossum petiolatum	FAC	FAC	fac	0	FAC	Ophioglossaceae
Ophioglossum vulgatum	FACW	FACW	FACW	-3	FACW	Ophioglossaceae
Opuntia humifusa	upl	upl	upl	5	UPL	Cactaceae
Opuntia macrorhiza	upl	upl	upl	5	UPL	Cactaceae
Opuntia polyacantha	upl	upl	upl	5	UPL	Cactaceae
Orbexilum onobrychis	upl	upl	upl	5	UPL	Fabaceae
Orbexilum pedunculatum	FACU	FACU	FACU	3	FACU	Fabaceae
ORIGANUM VULGARE	upl	upl	upl	5	UPL	Lamiaceae
ORNITHOGALUM NUTANS	upl	upl	upl	5	UPL	Liliaceae
ORNITHOGALUM UMBELLATUM	FACU	FACU	FACU	3	FACU	Liliaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Orobanche ludoviciana	upl	upl	upl	5	UPL	Orobanchaceae
Orobanche riparia	[facw]	[facw]	[facw]	-3	[FACW]	Orobanchaceae
Orobanche uniflora	FACU	FACU	UPL	3	FACU	Orobanchaceae
ORYZA SATIVA	OBL	OBL	OBL	-5	OBL	Poaceae
Oryzopsis racemosa	upl	upl	upl	5	UPL	Poaceae
Osmorhiza claytonii	FACU	FACU	FACU	3	FACU	Apiaceae
Osmorhiza longistylis	FAC	FACU	FACU	3	FACU	Apiaceae
Osmunda cinnamomea	FACW	FACW	FACW	-3	FACW	Osmundaceae
Osmunda claytoniana	FAC	FAC	FAC	0	FAC	Osmundaceae
Osmunda regalis var spectabilis	OBL	OBL	OBL	-5	OBL	Osmundaceae
Ostrya virginiana	FACU	FACU	FACU	3	FACU	Betulaceae
OTTELIA ALISMOIDES	OBL	OBL	obl	-5	OBL	Hydrocharitaceae
OXALIS CORNICULATA	UPL	FACU	FACU	3	FACU	Oxalidaceae
Oxalis dillenii	FACU	FACU	FACU	3	FACU	Oxalidaceae
Oxalis florida	FACU	FACU	FACU	-3	[FACW]	Oxalidaceae
Oxalis stricta	UPL	FACU	FACU	3	FACU	Oxalidaceae
Oxalis violacea	upl	upl	upl	5	UPL	Oxalidaceae
Oxypolis rigidior	OBL	OBL	OBL	-5	OBL	Apiaceae
Oxytropis lambertii	FACU	FACU	FACU	3	FACU	Fabaceae
PACHYSANDRA PROCUMBENS	upl	upl	upl	5	UPL	Buxaceae
Packera aurea	FACW	FACW	FACW	-3	FACW	Asteraceae
Packera glabella	OBL	OBL	FACW	-3	FACW	Asteraceae
Packera obovata	FACU	FACU	FACU	3	FACU	Asteraceae
Packera paupercula	FACW	FAC	FAC	0	FAC	Asteraceae
Packera plattensis	FACU	FACU	FACU	3	FACU	Asteraceae
Packera pseudaurea var semicordata	facw	FACW	FACW	-3	FACW	Asteraceae
Packera tomentosa	FACU	FACU	facu	3	FACU	Asteraceae
Palafoxia callosa	upl	upl	upl	5	UPL	Asteraceae
Panax quinquefolius	upl	upl	upl	5	UPL	Araliaceae
Panicum anceps	FAC	FAC	FACW	0	FAC	Poaceae
Panicum capillare	FAC	FAC	FAC	0	FAC	Poaceae
Panicum dichotomiflorum	FACW	FACW	FACW	-3	FACW	Poaceae
Panicum flexile	FAC	FACU	FACW	3	FACU	Poaceae
Panicum gattingeri	FAC	FAC	FAC	0	FAC	Poaceae
Panicum longifolium	FACW	FACW	FACW	-5	[OBL]	Poaceae
PANICUM MILIACEUM	upl	upl	upl	5	UPL	Poaceae
PANICUM OBTUSUM	FACW	FACW	FACW	-3	FACW	Poaceae
Panicum philadelphicum	FAC	FAC	FACW	0	FAC	Poaceae
Panicum rigidulum	FACW	FACW	FACW	-3	FACW	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Panicum verrucosum	FACW	FACW	FACW	-3	FACW	Poaceae
Panicum virgatum	FAC	FAC	FAC	0	FAC	Poaceae
PAPAVER DUBIUM	upl	upl	upl	5	UPL	Papaveraceae
PAPAVER RHOEAS	upl	upl	upl	5	UPL	Papaveraceae
PAPAVER SOMNIFERUM	upl	upl	upl	5	UPL	Papaveraceae
Parietaria pensylvanica	FACU	FACU	FACU	3	FACU	Urticaceae
Parnassia grandifolia	OBL	OBL	obl	-5	OBL	Parnassiaceae
Paronychia canadensis	upl	upl	upl	5	UPL	Caryophyllaceae
Paronychia fastigiata	upl	upl	upl	5	UPL	Caryophyllaceae
Paronychia virginica	upl	upl	upl	5	UPL	Caryophyllaceae
Parthenium hispidum	upl	upl	upl	5	UPL	Asteraceae
PARTHENIUM HYSTEROPHORUS	FAC	FAC	FAC	0	FAC	Asteraceae
Parthenium integrifolium	upl	upl	upl	5	UPL	Asteraceae
Parthenocissus quinquefolia	FACU	FACU	FACU	3	FACU	Vitaceae
PARTHENOCISSUS TRICUSPIDATA	upl	upl	upl	5	UPL	Vitaceae
Parthenocissus vitacea	FACU	FACU	FACU	3	FACU	Vitaceae
Pascopyrum smithii	FACU	UPL	FACU	5	UPL	Poaceae
PASPALIDIUM GEMINATUM	OBL	OBL	OBL	-5	OBL	Poaceae
Paspalum bifidum	FACW	FACW	FACW	-3	FACW	Poaceae
PASPALUM DILATATUM	FAC	FAC	FAC	0	FAC	Poaceae
Paspalum dissectum	OBL	OBL	OBL	-5	OBL	Poaceae
PASPALUM DISTICHUM	OBL	FACW	OBL	-5	OBL	Poaceae
Paspalum floridanum	FACW	FACW	FACW	-3	FACW	Poaceae
Paspalum laeve var circulare	FACW	FAC	FACW	0	FAC	Poaceae
Paspalum laeve var laeve	FACW	FAC	FACW	0	FAC	Poaceae
Paspalum pubiflorum	FACW	FAC	FACW	0	FAC	Poaceae
Paspalum repens	OBL	OBL	OBL	-5	OBL	Poaceae
Paspalum setaceum var ciliatifolium	FAC	FACU	FACU	3	FACU	Poaceae
Paspalum setaceum var muhlenbergii	FAC	FACU	FACU	3	FACU	Poaceae
Paspalum setaceum var setaceum	FAC	FACU	FACU	3	FACU	Poaceae
Paspalum setaceum var stramineum	FAC	FACU	FACU	3	FACU	Poaceae
PASPALUM URVILLEI	FAC	FAC	FAC	0	FAC	Poaceae
Passiflora incarnata	upl	upl	upl	5	UPL	Passifloraceae
Passiflora lutea	upl	upl	upl	5	UPL	Passifloraceae
PASTINACA SATIVA	upl	upl	upl	5	UPL	Apiaceae
PAULOWNIA TOMENTOSA	UPL	UPL	UPL	5	UPL	Paulowniaceae
Pedicularis canadensis	FACU	FACU	FACU	3	FACU	Orobanchaceae
Pedicularis lanceolata	FACW	FACW	OBL	-5	OBL	Orobanchaceae
Pediomelum argophyllum	upl	upl	upl	5	UPL	Fabaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Pediomelum esculentum	upl	upl	upl	5	UPL	Fabaceae
Pediomelum tenuiflorum	upl	upl	upl	5	UPL	Fabaceae
Pellaea × gastonyi	upl	upl	upl	5	UPL	Pteridaceae
Pellaea atropurpurea	upl	upl	upl	5	UPL	Pteridaceae
Pellaea glabella	upl	upl	upl	5	UPL	Pteridaceae
Peltandra virginica	OBL	OBL	OBL	-5	OBL	Araceae
PENNISETUM ALOPECUROIDES	upl	upl	upl	5	UPL	Poaceae
PENNISETUM AMERICANUM	upl	upl	upl	5	UPL	Poaceae
PENNISETUM SETACEUM	upl	upl	upl	5	UPL	Poaceae
Penstemon arkansanus	upl	upl	upl	5	UPL	Plantaginaceae
Penstemon cobaea var cobaea	upl	upl	upl	5	UPL	Plantaginaceae
Penstemon cobaea var purpureus	upl	upl	upl	5	UPL	Plantaginaceae
Penstemon digitalis	FAC	FAC	FAC	0	FAC	Plantaginaceae
Penstemon grandiflorus	upl	upl	upl	5	UPL	Plantaginaceae
Penstemon pallidus	FACU	FACU	UPL	5	UPL	Plantaginaceae
Penstemon tenuis	FACW	FACW	[facu]	3	[FACU]	Plantaginaceae
Penstemon tubaeflorus	upl	upl	upl	5	UPL	Plantaginaceae
Penthorum sedoides	OBL	OBL	OBL	-5	OBL	Penthoraceae
Perideridia americana	upl	upl	upl	5	UPL	Apiaceae
PERILLA FRUTESCENS	FACU	fac	FAC	0	FAC	Lamiaceae
Persicaria amphibia var emersa	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria amphibia var stipulacea	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria arifolia	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria bicornis	FACW	FACW	FACW	-3	FACW	Polygonaceae
Persicaria glabra	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria hydropiper	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria hydropiperoides	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria lapathifolia	FACW	FACW	FACW	0	[FAC]	Polygonaceae
PERSICARIA LONGISETA	FAC	facu	FAC	3	[FACU]	Polygonaceae
PERSICARIA MACULOSA	FACW	FACW	FACW	-3	FACW	Polygonaceae
PERSICARIA ORIENTALIS	FAC	FACU	UPL	3	FACU	Polygonaceae
Persicaria pensylvanica	FACW	FACW	FACW	-3	FACW	Polygonaceae
Persicaria punctata	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria robustior	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria sagittata	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria setacea	OBL	OBL	OBL	-5	OBL	Polygonaceae
Persicaria virginiana	FAC	FAC	FAC	0	FAC	Polygonaceae
PETROHAGIA PROLIFERA	upl	upl	upl	5	UPL	Caryophyllaceae
PETUNIA × ATKINSIANA	upl	upl	upl	5	UPL	Solanaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
PETUNIA AXILLARIS	upl	upl	upl	5	UPL	Solanaceae
PETUNIA INTEGRIFOLIA	upl	upl	upl	5	UPL	Solanaceae
Phacelia bipinnatifida	upl	upl	upl	5	UPL	Hydrophyllaceae
Phacelia covillei	FACW	FACW	FACW	-3	FACW	Hydrophyllaceae
Phacelia gilioides	upl	upl	upl	5	UPL	Hydrophyllaceae
Phacelia hirsuta	upl	upl	upl	5	UPL	Hydrophyllaceae
Phacelia purshii	upl	upl	upl	5	UPL	Hydrophyllaceae
Phacelia ranunculacea	FACW	FACW	FACW	-3	FACW	Hydrophyllaceae
PHALARIS ARUNDINACEA	OBL	FACW	FACW	-3	FACW	Poaceae
PHALARIS BRACHYSTACHYS	FACW	FACW	facw	-3	FACW	Poaceae
PHALARIS CANARIENSIS	FACU	FACU	FACU	3	FACU	Poaceae
Phalaris caroliniana	FACW	FACW	FACW	-3	FACW	Poaceae
PHASEOLUS LUNATUS	upl	upl	upl	5	UPL	Fabaceae
Phaseolus polystachios	upl	upl	upl	5	UPL	Fabaceae
PHASEOLUS VULGARIS	upl	upl	upl	5	UPL	Fabaceae
Phegopteris hexagonoptera	FACU	FAC	FACU	3	FACU	Thelypteridaceae
PHELLODENDRON AMURENSE	upl	upl	upl	5	UPL	Rutaceae
Phemeranthus calycinus	upl	upl	upl	5	UPL	Portulacaceae
Phemeranthus parviflorus	upl	upl	upl	5	UPL	Portulacaceae
PHILADELPHUS CORONARIUS	upl	upl	upl	5	UPL	Hydrangeaceae
Philadelphus pubescens var verrucosus	upl	upl	upl	5	UPL	Hydrangeaceae
PHLEUM PRATENSE	FACU	FACU	FACU	3	FACU	Poaceae
Phlox amplifolia	upl	upl	upl	5	UPL	Polemoniaceae
Phlox bifida	upl	upl	upl	5	UPL	Polemoniaceae
Phlox divaricata	FACU	FACU	FACU	3	FACU	Polemoniaceae
PHLOX DRUMMONDII	upl	upl	upl	5	UPL	Polemoniaceae
Phlox glaberrima subsp interior	FACW	FAC	FACW	-3	FACW	Polemoniaceae
Phlox maculata subsp pyramidalis	FAC	FACW	FACW	-3	FACW	Polemoniaceae
Phlox paniculata	FACU	FACU	FACU	3	FACU	Polemoniaceae
Phlox pilosa subsp fulgida	FACU	FACU	FACU	3	FACU	Polemoniaceae
Phlox pilosa subsp ozarkana	FACU	FACU	FACU	3	FACU	Polemoniaceae
Phlox pilosa subsp pilosa	FACU	FACU	FACU	3	FACU	Polemoniaceae
PHLOX SUBULATA	upl	upl	upl	5	UPL	Polemoniaceae
Phoradendron leucarpum	upl	upl	upl	5	UPL	Viscaceae
Phragmites australis subsp americanus	FACW	FACW	FACW	-3	FACW	Poaceae
PHRAGMITES AUSTRALIS subsp AUSTRALIS	FACW	FACW	FACW	-3	FACW	Poaceae
Phryma leptostachya	FACU	FACU	UPL	5	UPL	Phrymaceae
Phyllanthus carolinensis	FAC	FAC	FAC	0	FAC	Euphorbiaceae
Phyllanthus polygonoides	upl	upl	upl	5	UPL	Euphorbiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
PHYLLOSTACHYS VIRIDIS	upl	upl	upl	5	UPL	Poaceae
PHYSALIS ACUTIFOLIA	upl	upl	upl	5	UPL	Solanaceae
PHYSALIS ALKEKENGI	upl	upl	upl	5	UPL	Solanaceae
Physalis angulata	FACU	FAC	FAC	3	FACU	Solanaceae
PHYSALIS CINERASCENS	upl	upl	upl	5	UPL	Solanaceae
Physalis cordata	upl	upl	upl	5	UPL	Solanaceae
Physalis grisea	upl	upl	upl	5	UPL	Solanaceae
Physalis heterophylla	upl	upl	upl	5	UPL	Solanaceae
Physalis longifolia	upl	upl	upl	5	UPL	Solanaceae
Physalis missouriensis	upl	upl	upl	5	UPL	Solanaceae
PHYSALIS PHILADELPHICA	UPL	UPL	UPL	5	UPL	Solanaceae
Physalis pubescens	UPL	FACU	UPL	5	UPL	Solanaceae
Physalis pumila	upl	upl	upl	5	UPL	Solanaceae
Physalis virginiana	upl	upl	upl	5	UPL	Solanaceae
Physaria filiformis	upl	upl	upl	5	UPL	Brassicaceae
PHYSARIA GRACILIS	FACW	UPL	UPL	5	UPL	Brassicaceae
Physocarpus opulifolius var intermedius	FAC	FACW	FACW	-3	FACW	Rosaceae
Physostegia angustifolia	FACW	FACW	FAC	-3	FACW	Lamiaceae
Physostegia intermedia	FACW	FACW	FACW	-3	FACW	Lamiaceae
Physostegia virginiana subsp praemorsa	FACW	FAC	FACW	-3	FACW	Lamiaceae
Physostegia virginiana subsp virginiana	FACW	FAC	FACW	-3	FACW	Lamiaceae
Phytolacca americana	FACU	FACU	FACU	3	FACU	Phytolaccaceae
PICRIS HIERACIOIDES	upl	upl	upl	5	UPL	Asteraceae
PICRIS RHAGADIOLOIDES	upl	upl	upl	5	UPL	Asteraceae
Pilea pumila	FACW	FACW	FACW	-3	FACW	Urticaceae
Pilularia americana	OBL	OBL	OBL	-5	OBL	Marsileaceae
PINUS BANKSIANA	facu	FACU	FACU	3	FACU	Pinaceae
Pinus echinata	upl	upl	upl	5	UPL	Pinaceae
PINUS NIGRA	upl	upl	upl	5	UPL	Pinaceae
PINUS STROBUS	FACU	FACU	FACU	3	FACU	Pinaceae
PINUS TAEDA	FAC	FAC	UPL	3	FACU	Pinaceae
PINUS VIRGINIANA	upl	upl	upl	5	UPL	Pinaceae
PISTIA STRATIOTES	OBL	OBL	OBL	-5	OBL	Araceae
PISUM SATIVUM	upl	upl	upl	5	UPL	Fabaceae
Planera aquatica	OBL	OBL	OBL	-5	OBL	Ulmaceae
Planodes virginica	FACU	UPL	FACU	3	FACU	Brassicaceae
Plantago aristata	upl	upl	upl	5	UPL	Plantaginaceae
Plantago cordata	OBL	OBL	OBL	-5	OBL	Plantaginaceae
Plantago elongata	FACU	UPL	FACU	3	FACU	Plantaginaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Plantago heterophylla	FACW	FAC	FACW	-3	FACW	Plantaginaceae
PLANTAGO INDICA	FACU	FACU	FACU	3	FACU	Plantaginaceae
PLANTAGO LANCEOLATA	FACU	UPL	FACU	3	FACU	Plantaginaceae
PLANTAGO MAJOR	FAC	FACU	FAC	3	FACU	Plantaginaceae
Plantago patagonica	UPL	UPL	UPL	5	UPL	Plantaginaceae
PLANTAGO RHODOSPERMA	UPL	UPL	FACU	5	UPL	Plantaginaceae
Plantago rugelii	FACU	FACU	FAC	0	FAC	Plantaginaceae
Plantago virginica	FACU	UPL	FACU	5	UPL	Plantaginaceae
PLANTAGO WRIGHTIANA	upl	upl	upl	5	UPL	Plantaginaceae
Platanthera ciliaris	FACW	FACW	FACW	-3	FACW	Orchidaceae
Platanthera clavellata	OBL	FACW	OBL	-5	OBL	Orchidaceae
Platanthera flava var flava	FACW	FACW	FACW	-3	FACW	Orchidaceae
Platanthera flava var herbiola	FACW	FACW	FACW	-3	FACW	Orchidaceae
Platanthera lacera	FACW	FACW	FACW	-3	FACW	Orchidaceae
Platanthera leucophaea	OBL	FACW	FACW	-3	FACW	Orchidaceae
Platanthera peramoena	FACW	FACW	FACW	-3	FACW	Orchidaceae
Platanthera praeclara	[facu]	[facu]	[facu]	3	[FACU]	Orchidaceae
Platanthera psychodes	FACW	FACW	FACW	-3	FACW	Orchidaceae
Platanus occidentalis	FACW	FACW	FACW	-3	FACW	Platanaceae
Pluchea camphorata	FACW	FACW	FACW	-3	FACW	Asteraceae
Pluchea foetida	OBL	OBL	obl	-5	OBL	Asteraceae
POA ANNUA	FACU	FACU	FACU	3	FACU	Poaceae
POA BULBOSA	FACU	FACU	FACU	3	FACU	Poaceae
Poa chapmaniana	FAC	UPL	FACU	3	FACU	Poaceae
POA COMPRESSA	FACU	FACU	FACU	3	FACU	Poaceae
Poa interior	fac	FAC	FAC	5	[UPL]	Poaceae
POA PALUSTRIS	FAC	FACW	FACW	-3	FACW	Poaceae
POA PRATENSIS	FACU	FACU	FAC	3	FACU	Poaceae
Poa sylvestris	FACW	FACW	FAC	0	FAC	Poaceae
POA TRIVIALIS	FACW	FACW	FACW	-3	FACW	Poaceae
Poa wolfii	upl	upl	upl	5	UPL	Poaceae
Podophyllum peltatum	FACU	FACU	FACU	3	FACU	Berberidaceae
Pogonia ophioglossoides	OBL	OBL	OBL	-5	OBL	Orchidaceae
Polanisia dodecandra subsp dodecandra	FACU	FACU	UPL	5	UPL	Cleomaceae
Polanisia dodecandra subsp trachysperma	FACU	FACU	UPL	5	UPL	Cleomaceae
Polemonium reptans	FAC	FACU	FAC	3	FACU	Polemoniaceae
Polygala incarnata	FAC	FACU	FACU	3	FACU	Polygalaceae
Polygala sanguinea	FAC	FAC	FACU	3	FACU	Polygalaceae
Polygala senega	FACU	FACU	FACU	3	FACU	Polygalaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Polygala verticillata	UPL	UPL	UPL	5	UPL	Polygalaceae
Polygonatum biflorum var commutatum	FACU	FACU	FACU	3	FACU	Liliaceae
Polygonum achoreum	FAC	FACU	FAC	3	FACU	Polygonaceae
Polygonum americanum	upl	upl	upl	5	UPL	Polygonaceae
POLYGONUM AVICULARE subsp AVICULARE	FAC	FACU	FAC	3	FACU	Polygonaceae
Polygonum aviculare subsp buxiforme	FAC	FACU	FAC	5	[UPL]	Polygonaceae
POLYGONUM AVICULARE subsp DEPRESSUM	FAC	FACU	FAC	3	FACU	Polygonaceae
POLYGONUM AVICULARE subsp NEGLECTUM	FAC	FACU	FAC	5	[UPL]	Polygonaceae
Polygonum erectum	FACU	FACU	FACU	3	FACU	Polygonaceae
Polygonum ramosissimum var prolificum	FACU	FAC	FACU	3	FACU	Polygonaceae
Polygonum ramosissimum var ramosissimum	FACU	FAC	FACU	3	FACU	Polygonaceae
Polygonum tenue	upl	upl	upl	5	UPL	Polygonaceae
Polymnia canadensis	upl	upl	upl	5	UPL	Asteraceae
Polymnia laevigata	upl	upl	upl	5	UPL	Asteraceae
Polypodium polypodioides var michauxianum	FAC	FACU	FACU	0	FAC	Polypodiaceae
Polypodium virginianum	upl	upl	upl	5	UPL	Polypodiaceae
Polypremum procumbens	upl	upl	upl	5	UPL	Tetrachondraceae
Polystichum acrostichoides	FACU	FACU	UPL	3	FACU	Dryopteridaceae
Polytaenia nuttallii	upl	upl	upl	5	UPL	Apiaceae
POMARIA JAMESII	upl	upl	upl	5	UPL	Fabaceae
Pontederia cordata	OBL	OBL	OBL	-5	OBL	Pontederiaceae
POPULUS × CANADENSIS	upl	upl	upl	5	UPL	Salicaceae
POPULUS × CANESCENS	upl	upl	upl	5	UPL	Salicaceae
POPULUS × JACKII	upl	upl	upl	5	UPL	Salicaceae
POPULUS ALBA	upl	upl	upl	5	UPL	Salicaceae
Populus deltoides	FAC	FAC	FAC	0	FAC	Salicaceae
Populus grandidentata	FACU	FACU	FACU	3	FACU	Salicaceae
Populus heterophylla	OBL	OBL	OBL	-5	OBL	Salicaceae
POPULUS NIGRA var ITALICA	upl	upl	upl	5	UPL	Salicaceae
Populus tremuloides	FAC	FAC	FAC	0	FAC	Salicaceae
PORTULACA GRANDIFLORA	UPL	UPL	FACU	5	UPL	Portulacaceae
Portulaca pilosa	FACU	FACU	FACU	5	[UPL]	Portulacaceae
Portulacca oleracea	FACU	FAC	FACU	3	FACU	Portulacaceae
Potamogeton amplifolius	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
POTAMOGETON CRISPUS	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton diversifolius	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton epihydrus	OBL	OBL	OBL	-5	OBL	Potamogetonaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Potamogeton foliosus	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton illinoensis	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton nodosus	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton pectinatus	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton pulcher	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
Potamogeton pusillus	OBL	OBL	OBL	-5	OBL	Potamogetonaceae
POTENTILLA ARGENTEA	FACU	UPL	FACU	3	FACU	Rosaceae
Potentilla canadensis	upl	upl	upl	5	UPL	Rosaceae
Potentilla norvegica	FAC	FACU	FAC	3	FACU	Rosaceae
POTENTILLA RECTA	upl	upl	upl	5	UPL	Rosaceae
Potentilla rivalis	FACW	FACW	FACW	-3	FACW	Rosaceae
Potentilla simplex	FACU	FACU	FACU	3	FACU	Rosaceae
Potentilla supina subsp paradoxa	FACW	OBL	FACW	-3	FACW	Rosaceae
Prenanthes alba	FACU	FACU	FACU	3	FACU	Asteraceae
Prenanthes altissima	UPL	FACU	FACU	3	FACU	Asteraceae
Prenanthes aspera	UPL	UPL	UPL	5	UPL	Asteraceae
Prenanthes crepidinea	UPL	FACU	FAC	3	FACU	Asteraceae
Prenanthes racemosa	FACW	FACW	FACW	-3	FACW	Asteraceae
Primula fassettii	upl	upl	upl	5	UPL	Primulaceae
Primula frenchii	upl	upl	upl	5	UPL	Primulaceae
Primula meadia	FACU	FACU	FACU	3	FACU	Primulaceae
PRIMULA VERIS	upl	upl	upl	5	UPL	Primulaceae
PROBOSCIDEA LOUISIANA	FACU	FACU	FAC	3	FACU	Martyniaceae
Proserpinaca palustris	OBL	OBL	OBL	-5	OBL	Haloragaceae
PROSOPIS GLANDULOSA	UPL	UPL	UPL	5	UPL	Fabaceae
Prunella vulgaris var lanceolata	FAC	FACU	FAC	3	FACU	Lamiaceae
PRUNELLA VULGARIS var VULGARIS	FAC	FACU	FAC	3	FACU	Lamiaceae
Prunus americana	UPL	FACU	UPL	5	UPL	Rosaceae
Prunus angustifolia	upl	upl	upl	5	UPL	Rosaceae
PRUNUS ARMENIACA	upl	upl	upl	5	UPL	Rosaceae
PRUNUS CERASUS	upl	upl	upl	5	UPL	Rosaceae
Prunus hortulana	upl	upl	upl	5	UPL	Rosaceae
PRUNUS MAHALEB	upl	upl	upl	5	UPL	Rosaceae
Prunus mexicana	upl	upl	upl	5	UPL	Rosaceae
Prunus munsoniana	upl	upl	upl	5	UPL	Rosaceae
PRUNUS PERSICA	upl	upl	upl	5	UPL	Rosaceae
Prunus serotina	FACU	FACU	FACU	3	FACU	Rosaceae
PRUNUS SPINOSA	upl	upl	upl	5	UPL	Rosaceae
Prunus virginiana	FACU	FACU	FACU	3	FACU	Rosaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Pseudognaphalium helleri	upl	upl	upl	5	UPL	Asteraceae
Pseudognaphalium micradenium	upl	upl	upl	5	UPL	Asteraceae
Pseudognaphalium obtusifolium	upl	upl	upl	5	UPL	Asteraceae
Ptelea trifoliata	FACU	FAC	FACU	3	FACU	Rutaceae
Pteridium aquilinum	FACU	FACU	FACU	3	FACU	Dennstaedtiaceae
Ptilimnium capillaceum	OBL	OBL	OBL	-5	OBL	Apiaceae
Ptilimnium costatum	FACW	FACW	OBL	-5	OBL	Apiaceae
Ptilimnium nuttallii	FAC	FACW	FACW	-3	FACW	Apiaceae
PUCCINELLIA DISTANS	OBL	OBL	OBL	3	[FACU]	Poaceae
PUERARIA MONTANA var LOBATA	FACU	UPL	UPL	5	UPL	Fabaceae
Pycnanthemum albescens	FAC	UPL	UPL	3	FACU	Lamiaceae
Pycnanthemum muticum	FAC	FACW	FAC	0	FAC	Lamiaceae
Pycnanthemum pilosum	UPL	FAC	UPL	3	FACU	Lamiaceae
Pycnanthemum tenuifolium	FACW	FACW	FAC	0	FAC	Lamiaceae
Pycnanthemum torrei	upl	upl	upl	5	UPL	Lamiaceae
Pycnanthemum virginianum	FAC	FAC	FACW	-3	FACW	Lamiaceae
PYRACANTHA COCCINEA	upl	upl	upl	5	UPL	Rosaceae
Pyrrhopappus carolinianus	upl	upl	upl	5	UPL	Asteraceae
PYRUS CALLERYANA	upl	upl	upl	5	UPL	Rosaceae
PYRUS COMMUNIS	upl	upl	upl	5	UPL	Rosaceae
QUERCUS ACUTISSIMA	upl	upl	upl	5	UPL	Fagaceae
Quercus alba	FACU	FACU	FACU	3	FACU	Fagaceae
Quercus bicolor	FACW	FACW	FACW	-3	FACW	Fagaceae
Quercus coccinea	upl	upl	upl	5	UPL	Fagaceae
Quercus ellipsoidalis	upl	upl	upl	5	UPL	Fagaceae
Quercus falcata	FACU	FACU	FACU	3	FACU	Fagaceae
Quercus imbricaria	FAC	FAC	FACU	3	FACU	Fagaceae
Quercus lyrata	OBL	OBL	OBL	-5	OBL	Fagaceae
Quercus macrocarpa	FACU	FAC	FAC	3	FACU	Fagaceae
Quercus marilandica	upl	upl	upl	5	UPL	Fagaceae
Quercus michauxii	FACW	FACW	FACW	-3	FACW	Fagaceae
Quercus muehlenbergii	UPL	UPL	FACU	5	UPL	Fagaceae
Quercus nigra	FAC	FAC	FACW	0	FAC	Fagaceae
Quercus pagoda	FACW	FACW	FACW	-3	FACW	Fagaceae
Quercus palustris	FACW	FACW	FACW	-3	FACW	Fagaceae
Quercus phellos	FACW	FAC	FACW	-3	FACW	Fagaceae
Quercus prinoides	UPL	UPL	FACU	5	UPL	Fagaceae
Quercus rubra	FACU	FACU	FACU	3	FACU	Fagaceae
Quercus shumardii var acerifolia	[upl]	[upl]	[upl]	5	[UPL]	Fagaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Quercus shumardii var shumardii	FAC	FAC	FACW	0	FAC	Fagaceae
Quercus similis	FACW	FACW	facw	-3	FACW	Fagaceae
Quercus stellata	UPL	UPL	FACU	5	UPL	Fagaceae
Quercus texana	FACW	OBL	OBL	-5	OBL	Fagaceae
Quercus velutina	UPL	UPL	UPL	5	UPL	Fagaceae
Ranunculus abortivus	FACW	FACW	FACW	-3	FACW	Ranunculaceae
RANUNCULUS ACRIS	FACW	FAC	FAC	0	FAC	Ranunculaceae
Ranunculus aquatilis var diffusus	OBL	OBL	OBL	-5	OBL	Ranunculaceae
RANUNCULUS ARVENSIS	upl	upl	upl	5	UPL	Ranunculaceae
RANUNCULUS BULBOSUS	FAC	UPL	FAC	0	FAC	Ranunculaceae
Ranunculus cymbalaria	OBL	obl	OBL	-5	OBL	Ranunculaceae
Ranunculus fascicularis	FAC	FACU	FACU	3	FACU	Ranunculaceae
RANUNCULUS FICARIA	FAC	FAC	FAC	0	FAC	Ranunculaceae
Ranunculus flabellaris	OBL	OBL	OBL	-5	OBL	Ranunculaceae
Ranunculus harveyi	FACU	FACU	FACU	3	FACU	Ranunculaceae
Ranunculus hispidus var caricetorum	FAC	FAC	FAC	0	FAC	Ranunculaceae
Ranunculus hispidus var hispidus	FAC	FAC	FAC	3	[FACU]	Ranunculaceae
Ranunculus hispidus var nitidus	FAC	FAC	FAC	0	FAC	Ranunculaceae
Ranunculus laxicaulis	OBL	OBL	OBL	-5	OBL	Ranunculaceae
Ranunculus micranthus	FACU	FACU	FACU	3	FACU	Ranunculaceae
RANUNCULUS PARVIFLORUS	FAC	FAC	FAC	0	FAC	Ranunculaceae
Ranunculus pusillus	FACW	OBL	OBL	-5	OBL	Ranunculaceae
Ranunculus recurvatus	FACW	FAC	FACW	-3	FACW	Ranunculaceae
RANUNCULUS REPENS	FAC	FAC	FAC	0	FAC	Ranunculaceae
RANUNCULUS SARDOUS	FAC	UPL	FAC	3	FACU	Ranunculaceae
Ranunculus sceleratus	OBL	OBL	OBL	-5	OBL	Ranunculaceae
RAPHANUS RAPHANISTRUM	upl	upl	upl	5	UPL	Brassicaceae
RAPHANUS SATIVUS	upl	upl	upl	5	UPL	Brassicaceae
RAPISTRUM RUGOSUM	upl	upl	upl	5	UPL	Brassicaceae
RATIBIDA COLUMNIFERA	upl	upl	upl	5	UPL	Asteraceae
Ratibida pinnata	upl	upl	upl	5	UPL	Asteraceae
RATIBIDA TAGETES	upl	upl	upl	5	UPL	Asteraceae
RESEDA LUTEA	UPL	UPL	UPL	5	UPL	Resedaceae
RESEDA LUTEOLA	upl	upl	upl	5	UPL	Resedaceae
Rhamnus caroliniana	FACU	FAC	FAC	3	FACU	Rhamnaceae
RHAMNUS CATHARTICA	FACU	FACU	FAC	0	FAC	Rhamnaceae
RHAMNUS DAVURICA	upl	upl	upl	5	UPL	Rhamnaceae
RHAMNUS JAPONICA	upl	upl	upl	5	UPL	Rhamnaceae
Rhamnus lanceolata	FAC	FAC	FACW	0	FAC	Rhamnaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Rhexia mariana var interior	FACW	OBL	OBL	-5	OBL	Melastomaceae
Rhexia mariana var mariana	FACW	OBL	OBL	-5	OBL	Melastomaceae
Rhexia virginica	FACW	OBL	OBL	-5	OBL	Melastomaceae
Rhododendron prinophyllum	FAC	FAC	FAC	5	[UPL]	Ericaceae
RHODOTYPOS SCANDENS	upl	upl	upl	5	UPL	Rosaceae
Rhus aromatica var aromatica	UPL	UPL	UPL	5	UPL	Anacardiaceae
Rhus aromatica var serotina	UPL	UPL	UPL	5	UPL	Anacardiaceae
Rhus copallinum var latifolia	UPL	FACU	UPL	5	UPL	Anacardiaceae
Rhus glabra	upl	upl	upl	5	UPL	Anacardiaceae
RHUS TYPHINA	upl	upl	upl	5	UPL	Anacardiaceae
Rhynchosia difformis	upl	upl	upl	5	UPL	Fabaceae
Rhynchosia latifolia	upl	upl	upl	5	UPL	Fabaceae
Rhynchospora capillacea	OBL	OBL	OBL	-5	OBL	Cyperaceae
Rhynchospora capitellata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Rhynchospora corniculata	OBL	OBL	OBL	-5	OBL	Cyperaceae
Rhynchospora globularis var recognita	facw	FACW	facw	-3	FACW	Cyperaceae
Rhynchospora harveyi	FACW	FAC	FAC	3	FAC	Cyperaceae
Rhynchospora macrostachya	OBL	OBL	OBL	-5	OBL	Cyperaceae
Rhynchospora scirpoides	OBL	OBL	OBL	-5	OBL	Cyperaceae
Ribes americanum	FACW	FACW	FACW	-3	FACW	Grossulariaceae
Ribes cynosbati	FACU	FACU	FAC	3	FACU	Grossulariaceae
Ribes missouriense	upl	upl	upl	5	UPL	Grossulariaceae
Ribes odoratum	FAC	FACW	FAC	5	[UPL]	Grossulariaceae
RICINUS COMMUNIS	FACU	UPL	FACU	3	FACU	Euphorbiaceae
ROBINIA HISPIDA	upl	upl	upl	5	UPL	Fabaceae
ROBINIA PSEUDOACACIA	UPL	FACU	FACU	3	FACU	Fabaceae
Robinia pseudoacacia	UPL	FACU	FACU	3	FACU	Fabaceae
Rorippa aquatica	OBL	OBL	OBL	-5	OBL	Brassicaceae
Rorippa curvipes	FACW	FACW	FACW	-3	FACW	Brassicaceae
Rorippa palustris var fernaldiana	OBL	OBL	OBL	-5	OBL	Brassicaceae
Rorippa sessiliflora	OBL	OBL	OBL	-5	OBL	Brassicaceae
Rorippa sinuata	FACW	FACW	FACW	-3	FACW	Brassicaceae
RORIPPA SYLVESTRIS	OBL	FACW	OBL	-3	FACW	Brassicaceae
Rorippa tenerrima	fac	FAC	FAC	0	FAC	Brassicaceae
Rosa arkansana	FACU	FACU	FACU	3	FACU	Rosaceae
Rosa blanda	FACU	FACU	FACU	3	FACU	Rosaceae
ROSA CANINA	upl	upl	upl	5	UPL	Rosaceae
Rosa carolina subsp carolina	FACU	FACU	FACU	3	FACU	Rosaceae
Rosa carolina subsp subserrulata	FACU	FACU	FACU	3	FACU	Rosaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
ROSA GALLICA	upl	upl	upl	5	UPL	Rosaceae
ROSA LUCIEAE	upl	upl	upl	5	UPL	Rosaceae
ROSA MULTIFLORA	FACU	FACU	FACU	3	FACU	Rosaceae
Rosa palustris	OBL	OBL	OBL	-5	OBL	Rosaceae
ROSA RUBIGINOSA	UPL	UPL	UPL	5	UPL	Rosaceae
ROSA RUGOSA	FACU	FACU	FACU	3	FACU	Rosaceae
Rosa setigera	FACU	FACU	FACU	3	FACU	Rosaceae
ROSA SPINOSISSIMA	upl	upl	upl	5	UPL	Rosaceae
ROSA WOODSII	facu	facu	FACU	3	FACU	Rosaceae
Rotala ramosior	OBL	OBL	OBL	-5	OBL	Lythraceae
Rubus ablatus	FAC	FAC	UPL	3	FACU	Rosaceae
Rubus aboriginum	upl	upl	upl	5	UPL	Rosaceae
Rubus allegheniensis	UPL	FACU	FACU	3	FACU	Rosaceae
Rubus alumnus	FACU	FACU	FACU	3	FACU	Rosaceae
Rubus argutus	FAC	FACU	FAC	0	FAC	Rosaceae
RUBUS ARMENIACUS	upl	upl	upl	5	UPL	Rosaceae
Rubus celer	upl	upl	upl	5	UPL	Rosaceae
Rubus curtipes	upl	upl	upl	5	UPL	Rosaceae
Rubus deamii	upl	upl	upl	5	UPL	Rosaceae
Rubus enslenii	UPL	FACU	FACU	3	FACU	Rosaceae
Rubus flagellaris	UPL	FACU	FACU	3	FACU	Rosaceae
Rubus frondosus	upl	upl	upl	5	UPL	Rosaceae
RUBUS IDAEUS var STRIGOSUS	FACU	FAC	FACU	3	FACU	Rosaceae
RUBUS LACINIATUS	UPL	UPL	UPL	5	UPL	Rosaceae
Rubus laudatus	FAC	FAC	UPL	3	FACU	Rosaceae
Rubus leviculus	upl	upl	upl	5	UPL	Rosaceae
Rubus meracus	upl	upl	upl	5	UPL	Rosaceae
Rubus missouricus	FACU	FACU	FACU	3	FACU	Rosaceae
Rubus mollior	upl	upl	upl	5	UPL	Rosaceae
Rubus occidentalis	upl	upl	upl	5	UPL	Rosaceae
RUBUS PARVIFOLIUS	FACU	FACU	facu	3	FACU	Rosaceae
RUBUS PHOENICOLASIUS	FACU	FACU	FACU	3	FACU	Rosaceae
Rubus plicatifolius	upl	upl	upl	5	UPL	Rosaceae
Rubus roribaccus	upl	upl	upl	5	UPL	Rosaceae
Rubus rosa	upl	upl	upl	5	UPL	Rosaceae
Rubus satis	upl	upl	upl	5	UPL	Rosaceae
RUBUS SERISSIMUS	upl	upl	upl	5	UPL	Rosaceae
Rubus steelei	upl	upl	upl	5	UPL	Rosaceae
Rubus trivialis	FACU	FACU	FACU	3	FACU	Rosaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Rudbeckia amplexicaulis	FAC	FAC	FACU	3	FACU	Asteraceae
Rudbeckia bicolor	upl	upl	upl	5	UPL	Asteraceae
Rudbeckia fulgida var sullivantii	FAC	FAC	OBL	-3	FACW	Asteraceae
Rudbeckia fulgida var umbrosa	FAC	FAC	OBL	-5	OBL	Asteraceae
RUDBECKIA GRANDIFLORA	upl	upl	upl	5	UPL	Asteraceae
Rudbeckia hirta	FACU	FACU	FACU	3	FACU	Asteraceae
Rudbeckia laciniata	FACW	FACW	FACW	-3	FACW	Asteraceae
RUDBECKIA MAXIMA	FAC	FAC	FAC	0	FAC	Asteraceae
Rudbeckia missouriensis	UPL	UPL	FACU	3	FACU	Asteraceae
Rudbeckia subtomentosa	FAC	FAC	FACU	3	FACU	Asteraceae
Rudbeckia triloba	FACU	FACU	FACU	3	FACU	Asteraceae
Ruellia humilis	FACU	FACU	FACU	3	FACU	Acanthaceae
Ruellia pedunculata	upl	upl	upl	5	UPL	Acanthaceae
Ruellia strepens	FAC	FAC	FAC	0	FAC	Acanthaceae
RUMEX ACETOSELLA	FACU	UPL	FACU	3	FACU	Polygonaceae
Rumex altissimus	FACW	FACW	FACW	-3	FACW	Polygonaceae
RUMEX CONGLOMERATUS	FACW	FAC	FACW	-3	FACW	Polygonaceae
RUMEX CRISPUS	FAC	FAC	FAC	0	FAC	Polygonaceae
RUMEX CRISTATUS	upl	upl	upl	5	UPL	Polygonaceae
RUMEX DENTATUS	facu	FACU	FACU	3	FACU	Polygonaceae
Rumex fueginus	OBL	OBL	FACW	-5	OBL	Polygonaceae
Rumex hastatulus	FACU	FACU	FACU	3	FACU	Polygonaceae
RUMEX OBTUSIFOLIUS	FACW	FACU	FACW	-3	FACW	Polygonaceae
RUMEX PATIENTIA	upl	upl	upl	5	UPL	Polygonaceae
RUMEX PULCHER	FACW	FACW	UPL	3	FACU	Polygonaceae
RUMEX STENOPHYLLUS	FACW	facw	FACW	-3	FACW	Polygonaceae
Rumex triangulivalvis	FACW	FACW	FACW	-3	FACW	Polygonaceae
Rumex verticillatus	FACW	OBL	OBL	-5	OBL	Polygonaceae
Ruppia maritima	OBL	OBL	obl	-5	OBL	Ruppiaceae
RUTA GRAVEOLENS	upl	upl	upl	5	UPL	Rutaceae
Sabatia angularis	FACW	FAC	FAC	0	FAC	Gentianaceae
Sabatia brachiata	FAC	FACU	fac	3	FACU	Gentianaceae
Sabatia campestris	FACU	FACU	FACU	3	FACU	Gentianaceae
Sacciolepis striata	OBL	OBL	OBL	-5	OBL	Poaceae
Sagina decumbens	FACU	FAC	FAC	0	FAC	Caryophyllaceae
SAGINA PROCUMBENS	FACW	FACW	FACW	-3	FACW	Caryophyllaceae
Sagittaria ambigua	OBL	OBL	OBL	-5	OBL	Alismataceae
Sagittaria brevirostra	OBL	OBL	OBL	-5	OBL	Alismataceae
Sagittaria calycina	OBL	OBL	OBL	-5	OBL	Alismataceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Sagittaria graminea	OBL	OBL	OBL	-5	OBL	Alismataceae
Sagittaria latifolia	OBL	OBL	OBL	-5	OBL	Alismataceae
Sagittaria platyphylla	OBL	OBL	OBL	-5	OBL	Alismataceae
Sagittaria rigida	OBL	OBL	OBL	-5	OBL	Alismataceae
SALICORNIA EUROPAEA	OBL	OBL	obl	-5	OBL	Chenopodiaceae
SALIX × FRAGILIS	FAC	FAC	FAC	0	FAC	Salicaceae
SALIX × SEPULCRALIS	FACW	FACW	FACW	-3	FACW	Salicaceae
SALIX ALBA	FACW	FACW	FACW	-3	FACW	Salicaceae
Salix amygdaloides	FACW	FACW	FACW	-3	FACW	Salicaceae
Salix caroliniana	OBL	OBL	OBL	-5	OBL	Salicaceae
Salix discolor	FACW	FACW	FACW	-3	FACW	Salicaceae
Salix eriocephala	FACW	FACW	FACW	-3	FACW	Salicaceae
Salix famelica	facw	FACW	FACW	-3	FACW	Salicaceae
Salix humilis	FACU	FACU	FACU	3	FACU	Salicaceae
Salix interior	OBL	FACW	FACW	-3	FACW	Salicaceae
Salix nigra	OBL	OBL	OBL	-5	OBL	Salicaceae
Salix petiolaris	FACW	FACW	OBL	-3	FACW	Salicaceae
SALIX PURPUREA	FACW	FACW	FACW	-3	FACW	Salicaceae
Salix sericea	OBL	OBL	OBL	-5	OBL	Salicaceae
SALSOLA COLLINA	upl	upl	upl	5	UPL	Chenopodiaceae
SALSOLA TRAGUS	FACU	FACU	FACU	3	FACU	Chenopodiaceae
Salvia azurea var grandiflora	upl	upl	upl	5	UPL	Lamiaceae
SALVIA COCCINEA	upl	upl	upl	5	UPL	Lamiaceae
Salvia lyrata	FACU	FACU	FACW	3	FACU	Lamiaceae
Salvia reflexa	upl	upl	upl	5	UPL	Lamiaceae
Sambucus canadensis	FACW	FACU	FACW	0	FAC	Caprifoliaceae
Sambucus pubens	FACU	FACU	FACU	3	FACU	Caprifoliaceae
Samolus parviflorus	OBL	OBL	OBL	-5	OBL	Primulaceae
Sanguinaria canadensis	UPL	UPL	FACU	5	UPL	Papaveraceae
Sanicula canadensis	FACU	UPL	FACU	3	FACU	Apiaceae
Sanicula odorata	FACU	FACU	FAC	3	FACU	Apiaceae
Sanicula smallii	upl	upl	upl	5	UPL	Apiaceae
Sapindus saponaria var drummondii	FACU	FACU	UPL	5	UPL	Sapindaceae
SAPONARIA OFFICINALIS	FACU	FACU	FACU	3	FACU	Caryophyllaceae
Sassafras albidum	FACU	FACU	FACU	3	FACU	Lauraceae
Saururus cernuus	OBL	OBL	OBL	-5	OBL	Saururaceae
SCABIOSA ATROPURPUREA	upl	upl	upl	5	UPL	Dipsacaceae
Schedonnardus paniculatus	upl	upl	upl	5	UPL	Poaceae
Schizachyrium scoparium	FACU	FACU	FACU	3	FACU	Poaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Schoenoplectus acutus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus americanus	OBL	OBL	OBL	-5	OBL	Cyperaceae
SCHOENOPLECTUS CALIFORNICUS	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus deltarum	FACW	FACW	OBL	-5	OBL	Cyperaceae
Schoenoplectus etuberculatus	OBL	OBL	obl	-5	OBL	Cyperaceae
Schoenoplectus hallii	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus heterochaetus	OBL	OBL	OBL	-5	OBL	Cyperaceae
SCHOENOPLECTUS MUCRONATUS	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus pungens	OBL	OBL	OBL	-5	OBL	Cyperaceae
SCHOENOPLECTUS PURSHIANUS	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus saximontanus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus subterminalis	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus tabernaemontani	OBL	OBL	OBL	-5	OBL	Cyperaceae
Schoenoplectus torreyi	OBL	OBL	OBL	-5	OBL	Cyperaceae
SCILLA SIBERICA	upl	upl	upl	5	UPL	Liliaceae
Scirpus atrovirens	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus cyperinus	OBL	FACW	OBL	-5	OBL	Cyperaceae
Scirpus divaricatus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus georgianus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus pallidus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus pedicellatus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus pendulus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus polyphyllus	OBL	OBL	OBL	-5	OBL	Cyperaceae
Scirpus rubricosus	OBL	FACW	OBL	-5	OBL	Cyperaceae
SCLERANTHUS ANNUUS	FACU	FACU	FACU	3	FACU	Caryophyllaceae
Scleria ciliata	FAC	FAC	FAC	0	FAC	Cyperaceae
Scleria oligantha	FAC	FACU	FACU	3	FACU	Cyperaceae
Scleria pauciflora	FAC	FACU	FACU	3	FACU	Cyperaceae
Scleria reticularis var pubescens	FACW	OBL	OBL	-3	FACW	Cyperaceae
Scleria triglomerata	FACW	FAC	FAC	0	FAC	Cyperaceae
Scleria verticillata	OBL	OBL	OBL	-5	OBL	Cyperaceae
SCLEROCHLOA DURA	upl	upl	upl	5	UPL	Poaceae
Scrophularia lanceolata	FAC	FACU	FACU	3	FACU	Scrophulariaceae
Scrophularia marilandica	FACU	FACU	FACU	3	FACU	Scrophulariaceae
Scutellaria bushii	upl	upl	upl	5	UPL	Lamiaceae
Scutellaria elliptica	upl	upl	upl	5	UPL	Lamiaceae
Scutellaria galericulata	OBL	OBL	OBL	-5	OBL	Lamiaceae
Scutellaria incana	upl	upl	upl	5	UPL	Lamiaceae
Scutellaria lateriflora	OBL	FACW	OBL	-5	OBL	Lamiaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Scutellaria nervosa	FAC	FAC	FAC	0	FAC	Lamiaceae
Scutellaria ovata	UPL	FACU	FACU	3	FACU	Lamiaceae
Scutellaria parvula var australis	FACU	UPL	FACU	3	FACU	Lamiaceae
Scutellaria parvula var missouriensis	FACU	UPL	FACU	3	FACU	Lamiaceae
Scutellaria parvula var parvula	FACU	UPL	FACU	3	FACU	Lamiaceae
SECALE CEREALE	upl	upl	upl	5	UPL	Poaceae
SECURIGERA VARIA	upl	upl	upl	5	UPL	Fabaceae
SEDUM ACRE	upl	upl	upl	5	UPL	Crassulaceae
SEDUM ERYTHROSTICTUM	upl	upl	upl	5	UPL	Crassulaceae
Sedum nuttallianum	upl	upl	upl	5	UPL	Crassulaceae
Sedum pulchellum	UPL	FACU	FACU	3	FACU	Crassulaceae
SEDUM PURPUREUM	upl	upl	upl	5	UPL	Crassulaceae
SEDUM REFLEXUM	upl	upl	upl	5	UPL	Crassulaceae
SEDUM SARMENTOSUM	upl	upl	upl	5	UPL	Crassulaceae
Sedum ternatum	FACU	FACU	FACU	5	[UPL]	Crassulaceae
Selaginella apoda	FACW	FACW	FACW	-3	FACW	Selaginellaceae
Selaginella eclipes	FACW	FACW	FACW	-3	FACW	Selaginellaceae
Selaginella rupestris	upl	upl	upl	5	UPL	Selaginellaceae
Selenia aurea	upl	upl	upl	5	UPL	Brassicaceae
SENECIO AMPULLACEUS	upl	upl	upl	5	UPL	Asteraceae
SENECIO VULGARIS	UPL	FACU	UPL	5	UPL	Asteraceae
Senna marilandica	FAC	FAC	FACW	0	FAC	Fabaceae
Senna obtusifolia	FACU	FACU	FACU	3	FACU	Fabaceae
SENNA OCCIDENTALIS	FAC	UPL	FACU	3	FACU	Fabaceae
SESAMUM INDICUM	upl	upl	upl	5	UPL	Pedaliaceae
Sesbania herbacea	FACW	FAC	FACW	-3	FACW	Fabaceae
SESBANIA VESICARIA	FAC	FAC	OBL	-3	FACW	Fabaceae
SETARIA FABERI	UPL	UPL	FACU	3	FACU	Poaceae
SETARIA GLAUCA	FAC	FAC	FAC	0	FAC	Poaceae
SETARIA ITALICA	FACU	FACU	FACU	3	FACU	Poaceae
Setaria parviflora	FACW	FAC	FAC	3	[FACU]	Poaceae
SETARIA VERTICILLATA	FAC	FAC	FAC	0	FAC	Poaceae
SETARIA VIRIDIS var MAJOR	upl	upl	upl	5	UPL	Poaceae
SETARIA VIRIDIS var VIRIDIS	upl	upl	upl	5	UPL	Poaceae
SHERARDIA ARVENSIS	upl	upl	upl	5	UPL	Rubiaceae
Sicyos angulatus	FACW	FACU	FACW	0	FAC	Cucurbitaceae
Sida elliottii	upl	upl	upl	5	UPL	Malvaceae
SIDA SPINOSA	FACU	UPL	FACU	3	FACU	Malvaceae
Sideroxylon lanuginosum subsp oblongifolium	FACU	FACU	FACW	3	FACU	Sapotaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Sideroxylon lycioides	FAC	FACW	FACW	-3	FACW	Sapotaceae
Silene antirrhina	upl	upl	upl	5	UPL	Caryophyllaceae
Silene caroliniana var wherryi	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE CONOIDEA	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE CSEREII	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE DICHOTOMA	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE DIOICA	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE GALLICA	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE LATIFOLIA	upl	upl	upl	5	UPL	Caryophyllaceae
Silene nivea	FAC	FAC	FACW	0	FAC	Caryophyllaceae
SILENE NOCTIFLORA	upl	upl	upl	5	UPL	Caryophyllaceae
Silene regia	upl	upl	upl	5	UPL	Caryophyllaceae
Silene stellata	upl	upl	upl	5	UPL	Caryophyllaceae
Silene virginica	upl	upl	upl	5	UPL	Caryophyllaceae
SILENE VULGARIS	upl	upl	upl	5	UPL	Caryophyllaceae
Silphium asteriscus	upl	upl	upl	5	UPL	Asteraceae
Silphium integrifolium var integrifolium	FAC	FAC	FAC	5	[UPL]	Asteraceae
Silphium integrifolium var laeve	FAC	FAC	FAC	5	[UPL]	Asteraceae
Silphium laciniatum	upl	upl	upl	5	UPL	Asteraceae
Silphium perfoliatum	FAC	FAC	FACW	-3	FACW	Asteraceae
SILPHIUM RADULA	upl	upl	upl	5	UPL	Asteraceae
Silphium terebinthinaceum	FACU	FACU	FAC	0	FAC	Asteraceae
SILYBUM MARIANUM	upl	upl	upl	5	UPL	Asteraceae
SINAPIS ALBA	upl	upl	upl	5	UPL	Brassicaceae
SINAPIS ARVENSIS	upl	upl	upl	5	UPL	Brassicaceae
SISYMBRIUM ALTISSIMUM	FACU	FACU	FACU	3	FACU	Brassicaceae
SISYMBRIUM LOESELII	upl	upl	upl	5	UPL	Brassicaceae
SISYMBRIUM OFFICINALE	upl	upl	upl	5	UPL	Brassicaceae
Sisyrinchium albidum	FAC	FAC	FACU	3	FACU	Iridaceae
Sisyrinchium angustifolium	FACW	FACW	FAC	0	FAC	Iridaceae
Sisyrinchium atlanticum	FACW	FACW	FACW	-3	FACW	Iridaceae
Sisyrinchium campestre	upl	upl	upl	5	UPL	Iridaceae
Sium suave	OBL	OBL	OBL	-5	OBL	Apiaceae
Smallanthus uvedalius	upl	upl	upl	5	UPL	Asteraceae
Smilax bona-nox	FAC	FACU	FACU	3	FACU	Smilacaceae
Smilax ecirrhata	upl	upl	upl	5	UPL	Smilacaceae
Smilax glauca	FAC	FACU	FACU	3	FACU	Smilacaceae
Smilax hispida	FAC	FAC	FAC	0	FAC	Smilacaceae
Smilax illinoensis	upl	upl	upl	5	UPL	Smilacaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Smilax lasioneuron	upl	upl	upl	5	UPL	Smilacaceae
Smilax pulverulenta	FAC	FACU	FACU	3	FACU	Smilacaceae
Smilax rotundifolia	FAC	FAC	FAC	0	FAC	Smilacaceae
Solanum americanum	FACU	FACU	FACU	3	FACU	Solanaceae
Solanum carolinense	FACU	FACU	FACU	3	FACU	Solanaceae
SOLANUM DIMIDIATUM	upl	upl	upl	5	UPL	Solanaceae
SOLANUM DULCAMARA	FAC	FAC	FAC	0	FAC	Solanaceae
Solanum elaeagnifolium	upl	upl	upl	5	UPL	Solanaceae
SOLANUM LYCOPERSICUM	upl	upl	upl	5	UPL	Solanaceae
SOLANUM NIGRUM	FACU	FACU	facu	3	FACU	Solanaceae
SOLANUM PSEUDOCAPSICUM	upl	upl	upl	5	UPL	Solanaceae
Solanum ptycanthum	FACU	FACU	FACU	3	FACU	Solanaceae
SOLANUM ROSTRATUM	upl	upl	upl	5	UPL	Solanaceae
SOLANUM SARACHOIDES	upl	upl	upl	5	UPL	Solanaceae
SOLANUM TRIFLORUM	upl	upl	upl	5	UPL	Solanaceae
SOLANUM TUBEROSUM	upl	upl	upl	5	UPL	Solanaceae
Solidago altissima var altissima	FACU	FACU	FACU	3	FACU	Asteraceae
Solidago altissima var gilvicanescens	FACU	FACU	FACU	3	FACU	Asteraceae
Solidago arguta	UPL	UPL	UPL	5	UPL	Asteraceae
Solidago buckleyi	upl	upl	upl	5	UPL	Asteraceae
Solidago caesia	FACU	FACU	FACU	3	FACU	Asteraceae
Solidago canadensis var hargeri	FACU	FACU	FACU	3	FACU	Asteraceae
Solidago drummondii	upl	upl	upl	5	UPL	Asteraceae
Solidago flexicaulis	FACU	FACU	FACU	3	FACU	Asteraceae
Solidago gattingeri	upl	upl	upl	5	UPL	Asteraceae
Solidago gigantea	FACW	FACW	FACW	-3	FACW	Asteraceae
Solidago hispida	upl	upl	upl	5	UPL	Asteraceae
Solidago juncea	upl	upl	upl	5	UPL	Asteraceae
Solidago missouriensis subsp fasciculata	upl	upl	upl	5	UPL	Asteraceae
Solidago nemoralis var longipetiolata	upl	upl	upl	5	UPL	Asteraceae
Solidago nemoralis var nemoralis	upl	upl	upl	5	UPL	Asteraceae
Solidago odora	upl	upl	upl	5	UPL	Asteraceae
Solidago patula	OBL	OBL	OBL	-5	OBL	Asteraceae
Solidago petiolaris	upl	upl	upl	5	UPL	Asteraceae
Solidago radula	upl	upl	upl	5	UPL	Asteraceae
Solidago rugosa	FAC	FAC	FAC	0	FAC	Asteraceae
Solidago speciosa var rigidiuscula	upl	upl	upl	5	UPL	Asteraceae
Solidago speciosa var speciosa	upl	upl	upl	5	UPL	Asteraceae
Solidago ulmifolia	upl	upl	upl	5	UPL	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
SONCHUS ARVENSIS subsp ARVENSIS	UPL	FACU	FACU	3	FACU	Asteraceae
SONCHUS ARVENSIS subsp ULIGINOSUS	UPL	FACU	FACU	3	FACU	Asteraceae
SONCHUS ASPER	FACU	FAC	FACU	3	FACU	Asteraceae
SONCHUS OLERACEUS	FACU	UPL	FACU	3	FACU	Asteraceae
Sorghastrum nutans	FACU	FACU	FACU	3	FACU	Poaceae
SORGHUM BICOLOR	FACU	UPL	UPL	5	UPL	Poaceae
SORGHUM HALEPENSE	FACU	FACU	FACU	3	FACU	Poaceae
Sparganium americanum	OBL	OBL	OBL	-5	OBL	Sparganiaceae
Sparganium androcladum	OBL	OBL	OBL	-5	OBL	Sparganiaceae
Sparganium eurycarpum	OBL	OBL	OBL	-5	OBL	Sparganiaceae
Spartina pectinata	OBL	OBL	FACW	-3	FACW	Poaceae
SPERGULA ARVENSIS	upl	upl	upl	5	UPL	Caryophyllaceae
SPERGULARIA SALINA	OBL	OBL	OBL	-5	OBL	Caryophyllaceae
Spermacoce glabra	FACW	FACW	FACW	-3	FACW	Rubiaceae
Spermolepis divaricata	FAC	FACU	FACU	3	FACU	Apiaceae
Spermolepis echinata	FACU	FACU	FACU	3	FACU	Apiaceae
Spermolepis inermis	upl	upl	upl	5	UPL	Apiaceae
SPHAERALCEA FENDLERI	upl	upl	upl	5	UPL	Malvaceae
SPHENOCLEA ZEYLANDICA	FACW	OBL	obl	-5	OBL	Sphenocleaceae
Sphenopholis nitida	UPL	FAC	FAC	5	UPL	Poaceae
Sphenopholis obtusata var major	FAC	FAC	FAC	0	FAC	Poaceae
Sphenopholis obtusata var obtusata	FAC	FAC	FAC	0	FAC	Poaceae
Sphenopholis pensylvanica	OBL	OBL	OBL	-5	OBL	Poaceae
Spigelia marilandica	upl	upl	upl	5	UPL	Loganiaceae
SPIRAEA × VANHOUTTEI	upl	upl	upl	5	UPL	Rosaceae
Spiraea alba	FACW	FACW	FACW	-3	FACW	Rosaceae
SPIRAEA DOUGLASII	UPL	UPL	UPL	5	UPL	Rosaceae
SPIRAEA JAPONICA	FACU	FACU	UPL	5	UPL	Rosaceae
SPIRAEA PRUNIFOLIA	upl	upl	upl	5	UPL	Rosaceae
Spiraea tomentosa	FACW	FACW	FACW	-3	FACW	Rosaceae
Spiranthes cernua	FACW	FACW	FACW	-3	FACW	Orchidaceae
Spiranthes lacera	FAC	FACU	FAC	0	FAC	Orchidaceae
Spiranthes lucida	FACW	FACW	FACW	-3	FACW	Orchidaceae
Spiranthes magnicamporum	FACU	FACU	FAC	3	FACU	Orchidaceae
Spiranthes ovalis var erostellata	FAC	FAC	FAC	0	FAC	Orchidaceae
Spiranthes tuberosa	FACU	FACU	UPL	5	UPL	Orchidaceae
Spiranthes vernalis	FACW	FAC	FAC	0	FAC	Orchidaceae
Spirodela polyrhiza	OBL	OBL	OBL	-5	OBL	Lemnaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
SPIRODELA PUNCTATA	OBL	OBL	OBL	-5	OBL	Lemnaceae
SPOROBOLUS AIROIDES	FAC	FAC	FAC	0	FAC	Poaceae
Sporobolus clandestinus	upl	upl	upl	5	UPL	Poaceae
Sporobolus compositus var compositrus	UPL	UPL	UPL	5	UPL	Poaceae
Sporobolus compositus var drummondii	UPL	UPL	UPL	5	UPL	Poaceae
Sporobolus compositus var macer	UPL	UPL	UPL	5	UPL	Poaceae
Sporobolus cryptandrus	UPL	UPL	FACU	5	UPL	Poaceae
Sporobolus heterolepis	UPL	UPL	FACU	3	FACU	Poaceae
SPOROBOLUS INDICUS	FACU	FACU	FACU	3	FACU	Poaceae
Sporobolus neglectus	UPL	FACU	UPL	5	UPL	Poaceae
Sporobolus ozarkanus	UPL	UPL	UPL	5	UPL	Poaceae
SPOROBOLUS PYRAMIDATUS	FAC	UPL	UPL	5	UPL	Poaceae
Sporobolus vaginiflorus	UPL	UPL	UPL	5	UPL	Poaceae
Stachys aspera	FAC	FACW	FACW	-3	FACW	Lamiaceae
Stachys hispida	FACW	FACW	OBL	-3	FACW	Lamiaceae
Stachys pilosa	FACW	FACW	FACW	-3	FACW	Lamiaceae
Stachys tenuifolia	FACW	FACW	OBL	-3	FACW	Lamiaceae
Staphylea trifolia	FAC	FAC	FAC	0	FAC	Staphyleaceae
Steinchisma hians	OBL	FACW	FACW	-3	FACW	Poaceae
STELLARIA GRAMINEA	FAC	FACU	UPL	3	FACU	Caryophyllaceae
Stellaria longifolia	FACW	FACW	FACW	-3	FACW	Caryophyllaceae
STELLARIA MEADIA	FACU	UPL	FACU	3	FACU	Caryophyllaceae
STELLARIA NEGLECTA	FACU	UPL	FACU	3	FACU	Caryophyllaceae
STELLARIA PALLIDA	FACU	UPL	FACU	3	FACU	Caryophyllaceae
Stenanthium gramineum	FAC	FACW	FAC	0	FAC	Liliaceae
Stenosiphon linifolius	upl	upl	upl	5	UPL	Onagraceae
STENOTAPHRUM SECUNDATUM	FAC	FAC	fac	0	FAC	Poaceae
Stipa spartea	upl	upl	upl	5	UPL	Poaceae
Strophostyles helvola var helvola	FAC	FACU	FAC	0	FAC	Fabaceae
Strophostyles helvola var missouriensis	FAC	FACU	FAC	0	FAC	Fabaceae
Strophostyles leiosperma	upl	upl	upl	5	UPL	Fabaceae
Strophostyles umbellata	FAC	FACU	FACU	3	FACU	Fabaceae
Stylisma pickeringii var pattersonii	FAC	FAC	UPL	3	FACU	Convolvulaceae
Stylophorum diphyllum	upl	upl	upl	5	UPL	Papaveraceae
Stylosanthes biflora	upl	upl	upl	5	UPL	Fabaceae
Styrax americanus	FACW	OBL	OBL	-5	OBL	Styracaceae
Styrax grandifolius	FACU	FACU	UPL	5	UPL	Styracaceae
SUAEDA CALCEOLIFORMIS	FACW	FACW	FACW	-3	FACW	Chenopodiaceae
Sullivantia sullivantii	upl	upl	upl	5	UPL	Saxifragaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
SYMPHORICARPOS ALBUS	FACU	FACU	FACU	3	FACU	Caprifoliaceae
Symphoricarpos occidentalis	FAC	UPL	UPL	5	UPL	Caprifoliaceae
Symphoricarpos orbiculatus	FACU	FACU	FACU	3	FACU	Caprifoliaceae
Symphyotrichum × amethystinum	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum anomalum	upl	upl	upl	5	UPL	Asteraceae
SYMPHYOTRICHUM CILIATUM	fac	FAC	FAC	0	FAC	Asteraceae
Symphyotrichum cordifolium	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum drummondii	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum dumosum var strictior	FAC	FAC	FAC	0	FAC	Asteraceae
Symphyotrichum ericoides	UPL	FACU	FACU	5	UPL	Asteraceae
SYMPHYOTRICHUM FALCATUM subsp COMMUTATUM	FAC	FAC	FAC	0	FAC	Asteraceae
Symphyotrichum laeve	UPL	FACU	FACU	5	UPL	Asteraceae
Symphyotrichum lanceolatum var interior	FACW	FACW	FAC	-3	FACW	Asteraceae
Symphyotrichum lanceolatum var lanceolatum	FACW	FACW	FAC	-3	FACW	Asteraceae
Symphyotrichum lateriflorum	FAC	FACW	FACW	-3	FACW	Asteraceae
Symphyotrichum novae-angliae	FACW	FACW	FACW	-3	FACW	Asteraceae
Symphyotrichum oblongifolium	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum ontarionis	FAC	FAC	FAC	0	FAC	Asteraceae
Symphyotrichum oolentangiense	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum parviceps	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum patens	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum pilosum var pilosum	FACW	FAC	FACU	0	FAC	Asteraceae
Symphyotrichum pilosum var pringlei	FACW	FAC	FACU	0	FAC	Asteraceae
Symphyotrichum praealtum	FACW	FACW	FACW	-3	FACW	Asteraceae
Symphyotrichum puniceum	OBL	OBL	OBL	-5	OBL	Asteraceae
Symphyotrichum racemosum var subdumosum	FACW	FACW	FACW	-3	FACW	Asteraceae
Symphyotrichum sericeum	upl	upl	upl	5	UPL	Asteraceae
SYMPHYOTRICHUM SUBULATUM var LIGULATUM	OBL	OBL	OBL	-5	OBL	Asteraceae
Symphyotrichum turbinellum	upl	upl	upl	5	UPL	Asteraceae
Symphyotrichum urophyllum	upl	upl	upl	5	UPL	Asteraceae
SYMPHYTUM OFFICINALE	upl	upl	upl	5	UPL	Boraginaceae
SYRINGA VULGARIS	upl	upl	upl	5	UPL	Oleaceae
Taenidia integerrima	upl	upl	upl	5	UPL	Apiaceae
TAGETES ERECTA	UPL	UPL	UPL	5	UPL	Asteraceae
TAGETES PATULA	upl	upl	upl	5	UPL	Asteraceae
TALINUM PANICULATUM	upl	upl	upl	5	UPL	Portulacaceae
TAMARIX RAMOSISSIMA	upl	upl	upl	5	UPL	Tamaricaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
TANACETUM BALSAMITA	upl	upl	upl	5	UPL	Asteraceae
TANACETUM PARTHENIUM	upl	upl	upl	5	UPL	Asteraceae
TANACETUM VULGARE	UPL	UPL	UPL	5	UPL	Asteraceae
TARAXACUM ERYTHROSPERMUM	upl	upl	upl	5	UPL	Asteraceae
TARAXACUM OFFICINALE	FACU	FACU	FACU	3	FACU	Asteraceae
Taxodium distichum	OBL	OBL	OBL	-5	OBL	Cupressaceae
Tephrosia virginiana	upl	upl	upl	5	UPL	Fabaceae
TETRADIUM DANIELII	upl	upl	upl	5	UPL	Rutaceae
Teucrium canadense var canadense	FACW	FACW	FACW	-3	FACW	Lamiaceae
Teucrium canadense var occidentale	FACW	FACW	FACW	-3	FACW	Lamiaceae
Thalia dealbata	OBL	OBL	OBL	-5	OBL	Marantaceae
Thalictrum dasycarpum	FAC	FACW	FACW	-3	FACW	Ranunculaceae
Thalictrum dioicum	FAC	FAC	FACU	3	FACU	Ranunculaceae
Thalictrum revolutum	FAC	FAC	FAC	0	FAC	Ranunculaceae
Thalictrum thalictroides	FACU	FACU	FACU	3	FACU	Ranunculaceae
Thaspium barbinode	UPL	FACU	FACU	3	FACU	Apiaceae
Thaspium trifoliatum var flavum	upl	upl	upl	5	UPL	Apiaceae
Thaspium trifoliatum var trifoliatum	upl	upl	upl	5	UPL	Apiaceae
Thelesperma filifolium	upl	upl	upl	5	UPL	Asteraceae
THELESPERMA MEGAPOTAMICUM	upl	upl	upl	5	UPL	Asteraceae
Thelypteris palustris var pubescens	OBL	FACW	OBL	-5	OBL	Thelypteridaceae
THLASPI ALLIACEUM	upl	upl	upl	5	UPL	Brassicaceae
THLASPI ARVENSE	upl	upl	upl	5	UPL	Brassicaceae
TIDESTROMIA LANUGINOSA	upl	upl	upl	5	UPL	Amaranthaceae
Tilia americana var americana	FACU	FACU	FACU	3	FACU	Malvaceae
Tilia americana var heterophylla	FACU	FACU	FACU	3	FACU	Malvaceae
Tipularia discolor	FACU	FACU	FACU	3	FACU	Orchidaceae
TIQUILIA NUTTALLII	facu	FACU	facu	3	FACU	Boraginaceae
TORILIS ARVENSIS	upl	upl	upl	5	UPL	Apiaceae
TORILIS JAPONICA	upl	upl	upl	5	UPL	Apiaceae
TORILIS NODOSA	upl	upl	upl	5	UPL	Apiaceae
Torreyochloa pallida	OBL	OBL	OBL	-5	OBL	Poaceae
Toxicodendron pubescens	FACU	FACU	FACU	3	FACU	Anacardiaceae
Toxicodendron radicans	FAC	FAC	FAC	0	FAC	Anacardiaceae
Trachelospermum difforme	FACW	FACW	FACW	-3	FACW	Apocynaceae
Tradescantia bracteata	FAC	UPL	FACU	3	FACU	Commelinaceae
Tradescantia ernestiana	upl	upl	upl	5	UPL	Commelinaceae
Tradescantia longipes	upl	upl	upl	5	UPL	Commelinaceae
Tradescantia ohiensis	FAC	FAC	FACU	3	FACU	Commelinaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Tradescantia ozarkana	upl	upl	upl	5	UPL	Commelinaceae
Tradescantia subaspera	upl	upl	upl	5	UPL	Commelinaceae
Tradescantia tharpii	upl	upl	upl	5	UPL	Commelinaceae
Tradescantia virginiana	FAC	FACU	UPL	3	FACU	Commelinaceae
Tragia betonicifolia	upl	upl	upl	5	UPL	Euphorbiaceae
Tragia cordata	upl	upl	upl	5	UPL	Euphorbiaceae
Tragia ramosa	upl	upl	upl	5	UPL	Euphorbiaceae
TRAGOPOGON DUBIUS	upl	upl	upl	5	UPL	Asteraceae
TRAGOPOGON PORRIFOLIUS	upl	upl	upl	5	UPL	Asteraceae
TRAGOPOGON PRATENSIS	upl	upl	upl	5	UPL	Asteraceae
Trautvetteria caroliniensis	FACW	FACW	FAC	-3	FACW	Ranunculaceae
Trepocarpus aethusae	FACW	FACW	OBL	-5	OBL	Apiaceae
Triadenum tubulosum	OBL	OBL	OBL	-5	OBL	Clusiaceae
Triadenum walteri	OBL	OBL	OBL	-5	OBL	Clusiaceae
TRIANTHEMA PORTULACASTRUM	FACW	UPL	FACW	3	FACU	Aizoaceae
TRIBULUS TERRESTRIS	upl	upl	upl	5	UPL	Zygophyllaceae
Trichophorum planifolium	upl	upl	upl	5	UPL	Cyperaceae
Trichostema brachiatum	upl	upl	upl	5	UPL	Lamiaceae
Trichostema dichotomum	UPL	UPL	UPL	5	UPL	Lamiaceae
Trichostema setaceum	upl	upl	upl	5	UPL	Lamiaceae
Tridens flavus var chapmanii	FACU	FACU	UPL	3	FACU	Poaceae
Tridens flavus var flavus	FACU	FACU	UPL	3	FACU	Poaceae
Tridens muticus var elongatus	FACW	FAC	FAC	5	[FACU]	Poaceae
Tridens strictus	FACW	FACW	FACU	3	FACU	Poaceae
TRIFOLIUM ARVENSE	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM AUREUM	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM CAMPESTRE	upl	upl	upl	5	UPL	Fabaceae
Trifolium carolinianum	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM DUBIUM	FACU	UPL	FACU	3	FACU	Fabaceae
TRIFOLIUM HYBRIDUM	FACU	FACU	FACU	3	FACU	Fabaceae
TRIFOLIUM INCARNATUM	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM PRATENSE	FACU	FACU	FACU	3	FACU	Fabaceae
Trifolium reflexum	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM REPENS	FACU	FACU	FACU	3	FACU	Fabaceae
TRIFOLIUM RESUPINATUM	FACU	UPL	UPL	5	UPL	Fabaceae
Trifolium stoloniferum	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM STRIATUM	upl	upl	upl	5	UPL	Fabaceae
TRIFOLIUM VESCICULOSUM	upl	upl	upl	5	UPL	Fabaceae
Trillium flexipes	FAC	FAC	FACU	0	FAC	Liliaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Trillium nivale	upl	upl	upl	5	UPL	Liliaceae
Trillium pusillum var ozarkanum	FACW	FACW	upl	5	UPL	Liliaceae
Trillium recurvatum	FACU	UPL	FACU	3	FACU	Liliaceae
Trillium sessile	UPL	UPL	FACU	5	UPL	Liliaceae
Trillium viride	upl	upl	upl	5	UPL	Liliaceae
Trillium viridescens	upl	upl	upl	5	UPL	Liliaceae
Triodanis biflora	upl	upl	upl	5	UPL	Campanulaceae
Triodanis holzingeri	upl	upl	upl	5	UPL	Campanulaceae
Triodanis lamprosperma	upl	upl	upl	5	UPL	Campanulaceae
Triodanis leptocarpa	upl	upl	upl	5	UPL	Campanulaceae
Triodanis perfoliata	FACU	FAC	FAC	3	FACU	Campanulaceae
Triosteum angustifolium	UPL	FAC	FAC	3	FACU	Caprifoliaceae
Triosteum aurantiacum	upl	upl	upl	5	UPL	Caprifoliaceae
Triosteum perfoliatum	upl	upl	upl	5	UPL	Caprifoliaceae
Triphora trianthophora	FACW	UPL	FACU	0	FAC	Orchidaceae
Triplasis purpurea	upl	upl	upl	5	UPL	Poaceae
TRIPLEUROSPERMUM INODORUM	upl	upl	upl	5	UPL	Asteraceae
Tripsacum dactyloides	FAC	FACW	FAC	0	FAC	Poaceae
TRISETUM FLAVESCENS	upl	upl	upl	5	UPL	Poaceae
TRITICUM AESTIVUM	upl	upl	upl	5	UPL	Poaceae
TSUGA CANADENIS	FACU	FACU	FACU	3	FACU	Pinaceae
Turritis glabra	upl	upl	upl	5	UPL	Brassicaceae
Typha × glauca	OBL	OBL	OBL	-5	OBL	Typhaceae
Typha angustifolia	OBL	OBL	OBL	-5	OBL	Typhaceae
Typha domingensis	OBL	OBL	OBL	-5	OBL	Typhaceae
Typha latifolia	OBL	OBL	OBL	-5	OBL	Typhaceae
ULMUS × INTERMEDIA	upl	upl	upl	5	UPL	Ulmaceae
Ulmus alata	FACU	FACU	FACU	3	FACU	Ulmaceae
Ulmus americana	FAC	FACW	FACW	0	FAC	Ulmaceae
Ulmus crassifolia	FAC	FAC	FAC	0	FAC	Ulmaceae
ULMUS MINOR	upl	upl	upl	5	UPL	Ulmaceae
ULMUS PUMILA	FACU	FACU	UPL	3	FACU	Ulmaceae
Ulmus rubra	FAC	FAC	FAC	0	FAC	Ulmaceae
Ulmus thomasi	FAC	FACU	FAC	0	FAC	Ulmaceae
UROCHLOA PLATYPHYLLA	FAC	FAC	FAC	0	FAC	Poaceae
UROCHLOA RAMOSA	FACU	FACU	facu	3	FACU	Poaceae
UROCHLOA TEXANA	upl	upl	upl	5	UPL	Poaceae
Urtica chamaedryoides	FAC	FACU	FACU	3	FACU	Urticaceae
URTICA DIOICA subsp DIOICA	FAC	FACU	FACW	0	FAC	Urticaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Urtica dioica subsp. gracilis	FAC	FACU	FACW	0	FAC	Urticaceae
URTICA URENS	upl	upl	upl	5	UPL	Urticaceae
Utricularia gibba	OBL	OBL	OBL	-5	OBL	Lentibulariaceae
Utricularia minor	OBL	OBL	OBL	-5	OBL	Lentibulariaceae
Utricularia subulata	OBL	OBL	OBL	-5	OBL	Lentibulariaceae
Utricularia vulgaris subsp. macrorhiza	OBL	OBL	OBL	-5	OBL	Lentibulariaceae
Uvularia grandiflora	upl	upl	upl	5	UPL	Liliaceae
Uvularia sessilifolia	FAC	FAC	FACU	3	FACU	Liliaceae
VACCARIA HISPANICA	upl	upl	upl	5	UPL	Caryophyllaceae
Vaccinium arboreum	FACU	FACU	FACU	3	FACU	Ericaceae
VACCINIUM CORYMBOSUM	FACW	FACW	FACW	-3	FACW	Ericaceae
Vaccinium pallidum	upl	upl	upl	5	UPL	Ericaceae
Vaccinium stamineum	FACU	FACU	FACU	3	FACU	Ericaceae
VALERIANELLA LOCUSTA	upl	upl	upl	5	UPL	Valerianaceae
Valerianella ozarkana	upl	upl	upl	5	UPL	Valerianaceae
Valerianella radiata	FAC	FAC	FAC	0	FAC	Valerianaceae
Vallisneria americana	OBL	OBL	OBL	-5	OBL	Hydrocharitaceae
Veratrum woodii	upl	upl	upl	5	UPL	Liliaceae
VERBASCUM BLATTARIA	FACU	UPL	FACU	3	FACU	Scrophulariaceae
VERBASCUM LYCHNITIS	upl	upl	upl	5	UPL	Scrophulariaceae
VERBASCUM PHLOMOIDES	upl	upl	upl	5	UPL	Scrophulariaceae
VERBASCUM THAPSUS	FACU	FACU	UPL	5	UPL	Scrophulariaceae
VERBENA BONARIENSIS	FAC	FAC	FACU	3	FACU	Verbenaceae
Verbena bracteata	FACU	UPL	FACU	3	FACU	Verbenaceae
VERBENA BRASILIENSIS	upl	upl	upl	5	UPL	Verbenaceae
Verbena hastata	FAC	FACW	FACW	-3	FACW	Verbenaceae
Verbena simplex	upl	upl	upl	5	UPL	Verbenaceae
Verbena stricta	upl	upl	upl	5	UPL	Verbenaceae
Verbena urticifolia	FAC	FAC	FAC	0	FAC	Verbenaceae
Verbesina alternifolia	FAC	FAC	FACW	-3	FACW	Asteraceae
VERBESINA ENCELIOIDES	FAC	FACU	FAC	3	FACU	Asteraceae
Verbesina helianthoides	upl	upl	upl	5	UPL	Asteraceae
Verbesina virginica	FACU	UPL	FACU	3	FACU	Asteraceae
Vernonia arkansana	FAC	FAC	FAC	0	FAC	Asteraceae
Vernonia baldwinii	UPL	UPL	UPL	5	UPL	Asteraceae
Vernonia fasciculata	FACW	FAC	FACW	-3	FACW	Asteraceae
Vernonia gigantea	FAC	FAC	FAC	0	FAC	Asteraceae
Vernonia missurica	FAC	FACU	FAC	0	FAC	Asteraceae
Veronica americana	OBL	OBL	OBL	-5	OBL	Plantaginaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
VERONICA ANAGALLIS-AQUATICA	OBL	OBL	OBL	-5	OBL	Plantaginaceae
VERONICA ARVENSIS	UPL	UPL	FACU	3	FACU	Plantaginaceae
VERONICA BECCABUNGA	OBL	OBL	OBL	-5	OBL	Plantaginaceae
Veronica catenata	OBL	OBL	OBL	-5	OBL	Plantaginaceae
VERONICA CHAMAEDRYS	UPL	UPL	UPL	5	UPL	Plantaginaceae
VERONICA HEDERIFOLIA	upl	upl	upl	5	UPL	Plantaginaceae
VERONICA LONGIFOLIA	upl	upl	upl	5	UPL	Plantaginaceae
Veronica peregrina	FAC	FAC	FACW	0	FAC	Plantaginaceae
VERONICA PERSICA	upl	upl	upl	5	UPL	Plantaginaceae
VERONICA POLITA	upl	upl	upl	5	UPL	Plantaginaceae
VERONICA SCHEEREI	upl	upl	upl	5	UPL	Plantaginaceae
VERONICA SERPYLLIFOLIA	FAC	FAC	FACW	0	FAC	Plantaginaceae
VERONICA TEUCRIUM	upl	upl	upl	5	UPL	Plantaginaceae
VERONICA TRIPHYLLOS	upl	upl	upl	5	UPL	Plantaginaceae
Veronicastrum virginicum	FACW	FACU	FAC	0	FAC	Plantaginaceae
Viburnum bracteatum	upl	upl	upl	5	UPL	Caprifoliaceae
Viburnum dentatum	FAC	FAC	FAC	0	FAC	Caprifoliaceae
VIBURNUM LANTANA	upl	upl	upl	5	UPL	Caprifoliaceae
Viburnum lentago	FAC	FAC	FAC	0	FAC	Caprifoliaceae
Viburnum molle	upl	upl	upl	5	UPL	Caprifoliaceae
VIBURNUM OPULUS var. OPULUS	FACW	FACW	FAC	0	FAC	Caprifoliaceae
Viburnum prunifolium	FACU	FACU	FACU	3	FACU	Caprifoliaceae
Viburnum rafinesquianum	upl	upl	upl	5	UPL	Caprifoliaceae
Viburnum recognitum	FAC	FAC	FAC	0	FAC	Caprifoliaceae
Viburnum rufidulum	UPL	UPL	FACU	5	UPL	Caprifoliaceae
Vicia americana	FACU	FACU	FACU	3	FACU	Fabaceae
Vicia caroliniana	FACU	FACU	UPL	5	UPL	Fabaceae
VICIA CRACCA	upl	upl	upl	5	UPL	Fabaceae
VICIA GRANDIFLORA	upl	upl	upl	5	UPL	Fabaceae
VICIA HIRSUTA	upl	upl	upl	5	UPL	Fabaceae
Vicia ludoviciana	FACU	FACU	UPL	5	UPL	Fabaceae
Vicia minutiflora	upl	upl	upl	5	UPL	Fabaceae
VICIA SATIVA subsp. NIGRA	FACU	FACU	FACU	3	FACU	Fabaceae
VICIA VILLOSA subsp. VARIA	upl	upl	upl	5	UPL	Fabaceae
VICIA VILLOSA subsp. VILLOSA	upl	upl	upl	5	UPL	Fabaceae
VIGNA UNGUICULATA	upl	upl	upl	5	UPL	Fabaceae
VINCA MAJOR	upl	upl	upl	5	UPL	Apocynaceae
VINCA MINOR	upl	upl	upl	5	UPL	Apocynaceae
Viola affinis	FACW	FACW	FACW	-3	FACW	Violaceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
VIOLA ARVENSIS	upl	upl	upl	5	UPL	Violaceae
Viola bicolor	FAC	FACU	FACU	3	FACU	Violaceae
Viola cucullata	OBL	FACW	OBL	-5	OBL	Violaceae
Viola lanceolata	OBL	OBL	OBL	-5	OBL	Violaceae
Viola missouriensis	FAC	FACU	FACW	0	FAC	Violaceae
Viola nephrophylla	FACW	FACW	FACW	-3	FACW	Violaceae
Viola pallens	FACW	FACW	OBL	-5	OBL	Violaceae
Viola palmata	FACU	FACU	FACU	3	FACU	Violaceae
Viola pedata	FACU	FACU	UPL	5	UPL	Violaceae
Viola pedatifida	facu	FACU	FACU	3	FACU	Violaceae
Viola pubescens	FACU	FACU	FACU	3	FACU	Violaceae
Viola sagittata	FACW	FAC	FAC	0	FAC	Violaceae
Viola sororia	FAC	FAC	FAC	0	FAC	Violaceae
Viola striata	FACW	FACW	FACW	-3	FACW	Violaceae
VIOLA TRICOLOR	upl	upl	upl	5	UPL	Violaceae
Viola viarum	FACU	FACU	FACU	3	FACU	Violaceae
VITEX NEGUNDO	UPL	UPL	UPL	5	UPL	Lamiaceae
Vitis aestivalis	FACU	FACU	FACU	3	FACU	Vitaceae
Vitis cinerea	FAC	FACW	FACW	3	[FACU]	Vitaceae
VITIS LABRUSCANA	FAC	FACU	FACU	3	FACU	Vitaceae
Vitis palmata	FACW	FACW	OBL	-5	OBL	Vitaceae
Vitis riparia	FACW	FACW	FACW	-3	FACW	Vitaceae
Vitis rotundifolia	FAC	FAC	fac	0	FAC	Vitaceae
Vitis rupestris	UPL	FACU	FACU	3	FACU	Vitaceae
Vitis vulpina	FAC	FAC	FAC	0	FAC	Vitaceae
VULPIA BROMOIDES	UPL	FACW	UPL	5	UPL	Poaceae
Vulpia elliotea	upl	upl	upl	5	UPL	Poaceae
VULPIA MYUROS	FACU	UPL	FACU	3	FACU	Poaceae
Vulpia octoflora var. glauca	FACU	UPL	FACU	3	FACU	Poaceae
Vulpia octoflora var. octoflora	FACU	UPL	FACU	3	FACU	Poaceae
Wisteria frutescens	FACW	FACW	FACW	-3	FACW	Fabaceae
WISTERIA SINENSIS	upl	upl	upl	5	UPL	Fabaceae
Wolffia borealis	OBL	OBL	OBL	-5	OBL	Lemnaceae
Wolffia braseliensis	OBL	OBL	OBL	-5	OBL	Lemnaceae
Wolffia columbiana	OBL	OBL	OBL	-5	OBL	Lemnaceae
Wolffiella gladiata	OBL	OBL	OBL	-5	OBL	Lemnaceae
Woodsia obtusa	upl	upl	upl	5	UPL	Dryopteridaceae
Woodwardia areolata	OBL	FACW	OBL	-3	FACW	Blechnaceae
XANTHIUM SPINOSUM	FACU	FACU	FACU	3	FACU	Asteraceae

Table 3

SCIENTIFIC NAME	AGP	EMP	MW	MO		FAMILY
Xanthium strumarium	FAC	FAC	FAC	0	FAC	Asteraceae
Xyris jupicai	OBL	OBL	OBL	-5	OBL	Xyridaceae
Xyris torta	OBL	OBL	OBL	-5	OBL	Xyridaceae
Yucca arkansana	upl	upl	upl	5	UPL	Agavaceae
Yucca glauca	upl	upl	upl	5	UPL	Agavaceae
YUCCA SMALLIANA	upl	upl	upl	5	UPL	Agavaceae
Zannichellia palustris	OBL	OBL	OBL	-5	OBL	Zanichelliaceae
Zanthoxylum americanum	FAC	FACU	FACU	3	FACU	Rutaceae
ZEA MAYS	upl	upl	upl	5	UPL	Poaceae
ZELTNERA CALYCOSA	FACW	facw	FACW	-3	FACW	Gentianaceae
Zeltnera texensis	upl	upl	upl	5	UPL	Gentianaceae
Zigadenus elegans subsp. glaucus	fac	FAC	FAC	0	FAC	Liliaceae
Zigadenus nuttallii	upl	upl	upl	5	UPL	Liliaceae
ZIZANIA AQUATICA	OBL	OBL	OBL	-5	OBL	Poaceae
Zizania palustris var. interior	OBL	OBL	OBL	-5	OBL	Poaceae
Zizaniopsis miliacea	OBL	OBL	OBL	-5	OBL	Poaceae
Zizia aptera	FAC	FAC	FACU	3	FACU	Apiaceae
Zizia aurea	FAC	FAC	FAC	0	FAC	Apiaceae